Aspire 7230/7530/7530G Series Service Guide

Service guide files and updates are available on the ACER/CSD web; for more information, please refer to http://csd.acer.com.tw

PRINTED IN TAIWAN

Revision History

Please refer to the table below for the updates made on Aspire 7230/7530/7530G Series service guide.

| Date | Chapter | Updates |
|------|---------|---------|
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Conventions

The following conventions are used in this manual:

| SCREEN MESSAGES | Denotes actual messages that appear on screen. |
|-----------------|--|
| NOTE | Gives bits and pieces of additional information related to the current topic. |
| WARNING | Alerts you to any damage that might result from doing or not doing specific actions. |
| CAUTION | Gives precautionary measures to avoid possible hardware or software problems. |
| IMPORTANT | Reminds you to do specific actions relevant to the accomplishment of procedures. |

Preface

Before using this information and the product it supports, please read the following general information.

- 1. This Service Guide provides you with all technical information relating to the BASIC CONFIGURATION decided for Acer's "global" product offering. To better fit local market requirements and enhance product competitiveness, your regional office MAY have decided to extend the functionality of a machine (e.g. add-on card, modem, or extra memory capability). These LOCALIZED FEATURES will NOT be covered in this generic service guide. In such cases, please contact your regional offices or the responsible personnel/channel to provide you with further technical details.
- 2. Please note WHEN ORDERING FRU PARTS, that you should check the most up-to-date information available on your regional web or channel. If, for whatever reason, a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

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System Specifications

Features

Below is a brief summary of the computer's many feature:

Operating System

Genuine Windows® Vista™

Platform

- AMD Better By Design program, featuring:
 - AMD Turion™ X2 Ultra dual-core processor*
 - AMD Turion™ X2 dual-core processor*
 - AMD Athlon™ X2 dual-core processor*
 - Mobile AMD Sempron[™] processor*
 - NVIDIA® nForce® MCP77MH
 - Acer InviLink™ 802.11b/g

System Memory

- Dual-Channel DDR2 SDRAM support
- Up to 2 GB of DDR2 667 MHz memory, upgradeable to 4 GB using two soDIMM modules*

TV Tuner

Digital TV-tuner supporting DVB-T*

Display and graphics

- 17" WXGA+ 1440 x 900
- NVIDIA® GeForce® 9100M G*
- NVIDIA® GeForce® 9400M*
- NVIDIA® GeForce® 9600M GT*

Storage subsystem

- 2.5" hard disk drive
- Optical drive options:
 - Blu-ray Disc[™] /DVD-Super Multi double-layer drive*
 - DVD-Super Multi double-layer drive*
- 5-in-1 card reader

Audio

- Dolby®-certified surround sound system with two built-in stereo speakers and one subwoofer* supporting low-frequency effects
- True5.1-channel surround sound output
- S/PDIF (Sony/Philips Digital Interface) support for digital speakers
- · Built-in microphone

Dimensions and Weight

- 402 (W) x 297 (D) x 41/43.9 (H) mm (15.83 x 11.69 x 1.61/1.73 inches)
- 3.90 kg (8.59 lbs.) with 2 HDDs and 8-cell battery pack*
- 3.80 kg (8.37 lbs.) with one HDD and 6-cell battery pack*

Privacy control

- Acer Bio-Protection fingerprint solution*
- · BIOS user, supervisor, HDD passwords
- · Kensington lock slot

Communication

- Acer Video Conference, featuring:
 - Integrated Acer Crystal Eye webcam*
 - Optional Acer Xpress VoIP phone*
- WLAN: Acer InviLink™ 802.11b/g*
- WPAN: Bluetooth® 2.0+Enhanced Data Rate (EDR)*
- LAN: Gigabit Ethernet; Wake-on-LAN ready
- Modem: 56K ITU V.92

Power subsystem

- ACPI 3.0
- 71 W 4800 mAh*
- 48.8 W 4400 mAh*
- 3-pin 90 W AC adapter*
- 3-pin 65 W AC adapter*
- Energy Star 4.0

Special keys and controls

- 105/106-key keyboard
- Touchpad pointing device

I/O interface

- Acer EasyPort IV connector*
- ExpressCard[™]/54 slot
- 5-in-1 card reader (SD/MMC/MS/MS PRO/xD)

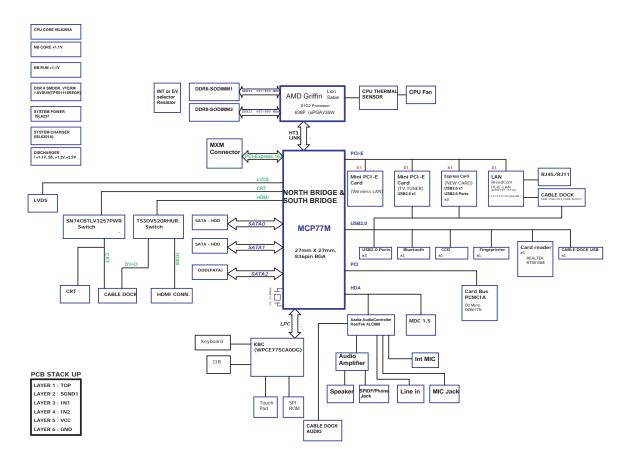
- 4 USB 2.0 ports
- HDMI™ port with HDCP support*
- Consumer infrared (CIR) port
- · External display (VGA) port
- RF-in jack*
- Headphones/speaker/line-out jack with S/PDIF support*
- Microphone-in jack
- Line-in jack
- Ethernet (RJ-45) port
- Modem (RJ-11) port
- DC-in jack for AC adapter

Environment

- Temperature:
 - Operating: 5 °C to 35 °C
 - Non-operating: -20 °C to 65 °C
- Humidity (non-condensing):
 - Operating: 20% to 80%
 - Non-operating: 20% to 80%

NOTE: Items marked with * denote only selected models. The specifications listed above are for reference only. The exact configuration of your PC depends on the model purchased.

System Block Diagram



Your Acer Notebook tour

After knowing your computer features, let us show you around your new computer.

Front View



| No. | lcon | Item | Description |
|-----|------|---------------------|---|
| 1 | | Acer Crystal Eye | Web camera for video communication (only for certain models). |
| 2 | 1817 | Microphone | Internal microphone for sound recording. |
| 3 | | Display screen | Also called Liquid-Crystal Display (LCD), displays computer output. |
| 4 | G | Power button | Turns the computer on and off. |
| 5 | | Easy-launch buttons | Buttons for launching frequently used program. |
| 6 | | Palmrest | Comfortable support area for your hands when you use the computer. |
| 7 | | Status indicators | Light-Emitting Diodes (LEDs) that light up to show the status of the computer's functions and components. |

| No. | Icon | Item | Description |
|-----|------|---|--|
| 8 | | Click buttons (left, center* and right) | The left and right buttons function like the left and right mouse buttons. *The center button serves as Acer Bio-Protection fingerprint reader supporting Acer FingerNav 4-way control function (only for certain models). |
| 9 | | Touch Pad | Touch-sensitive pointing device which functions like a computer mouse. |
| 10 | | Keyboard | For entering data into your computer. |
| 11 | | Speakers | Left and right speakers deliver stereo audio output. |
| 12 | e | Empowering key | Launch Acer Empowering Technology |

Closed Front View



| No. | lcon | Item | Description |
|-----|------|--------------------------------|--|
| 1 | Î | CIR receiver | Receives signals from a remote control. |
| 2 | + | Unlimited volume control wheel | Adjust the volume of the audio-out. |
| 3 | PRO | 5-in-1 card reader | Accepts Secure Digital (SD), MultiMediaCard (MMC), Memory Stick (MS), Memory Stick PRO (MS PRO), xD-Picture Card (xD). |
| 4 | | Latch | Locks and releases the lid |

Left View



| No. | lcon | Item | Description |
|-----|-----------------|--|---|
| 1 | == | DC-in jack | Connects to an AC adapter |
| 2 | 용 | Ethernet (RJ-45) port | Connects to an Ethernet 10/100/1000-based network. |
| 3 | 01 | Acer EasyPort IV connector | Connects to Acer EasyPort IV (only for certain models). |
| 4 | | External display (VGA) port | Connects to a display device (e.g. external monitor, LCD projector). |
| 5 | HDMI | HDMI | Connects to a television or display device with HDMI input (only for certain models). |
| 6 | •~* | USB 2.0 port | Connect to USB 2.0 devices (e.g. USB mouse, USB camera). |
| 7 | SPDIF | Headphones/ speaker/line-out jack with S/PDIF support | Connects to audio line-out devices (e.g. speakers, headphones). |
| | ر هار | Microphone jack | Accepts input from external microphones. |
| | (+) | Line-in jack | Accepts audio line-in devices (e.g. audio CD player, stereo walkman, mp3 player). |

Right View



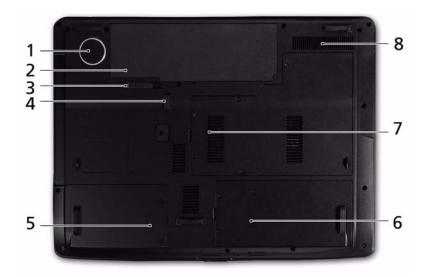
| No. | lcon | Item | Description |
|-----|------------------|-------------------------------|--|
| 1 | ExpressCard / 54 | ExpressCard/54 slot | Accepts one ExpressCard/54 module. |
| 2 | ● ✓•+ | USB 2.0 port | Connect to USB 2.0 devices (e.g. USB mouse, USB camera). |
| 3 | | Optical drive | Internal optical drive; accepts CDs or DVDs. |
| 4 | | Optical disk access indicator | Lights up when the optical drive is active. |
| 5 | | Optical drive eject button | Ejects the optical disk from the drive. |
| 6 | | Emergency eject hole | Ejects the optical drive tray when the computer is turned off. |
| | | | Note: Insert a paper clip into the emergency eject hole to eject the optical drive tray when the computer is off. |
| 7 | ((ic | RF-in port | Accepts input signals from digital TVtuner devices (only for certain models). |
| 8 | | Modem (RJ-11) port | Connects to a phone line. |
| 9 | ĸ | Kensington lock slot | Connects to a Kensington-compatible computer security lock. |

Rear View



| No. | lcon | Item | Description |
|-----|------|-------------------|---|
| 1 | | Ventilation slots | Enable the computer to stay cool, even after prolonged use. |

Bottom View



| No. | Icon | Item | Description |
|-----|------|-----------------------------------|---|
| 1 | | Subwoofer | Emits low frequency sound output (only for certain models). |
| 2 | ≞ | Battery bay | Houses the computer's battery pack. |
| 3 | | Battery release latch | Releases the battery for removal. |
| 4 | | Battery lock | Locks the battery in position. |
| 5 | | Hard disk bay-Main | Houses the computer's hard disk (secured with screws). |
| 6 | | Hard disk bay- Secondary | Houses the computer's hard disk (secured with screws). Only for certain models. |
| 7 | | Memory compartment | Houses the computer's main memory. |
| 8 | | Ventilation slots and cooling fan | Enable the computer to stay cool, even after prolonged use. |
| | | | Note : Do not cover or obstruct the opening of the fan. |

Indicators

The computer has several easy-to-read status indicators. The front panel indicators are visible even when the computer cover is closed.

| lcon | Function | Description |
|-------------|-----------|---|
| * | Power | Indicates the computer's power status. |
| Ē | Battery | Indicates the computer's battery status. |
| > | HDD | Indicates when the hard disk drive is active. |
| a | Num Lock | Lights up when Num Lock is activated. |
| A | Caps Lock | Lights up when Caps Lock is activated. |

NOTE: 1. **Charging:** The light shows amber when the battery is charging. 2. **Fully charged:** The light shows green when in AC mode.

Easy-Launch Buttons

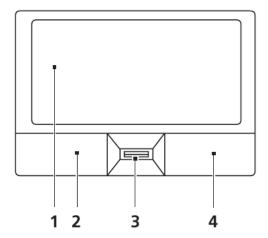
Located beside the keyboard are application buttons. These buttons are called easy-launch buttons. They are: WLAN, Internet, email, Bluetooth, Arcade and Acer Empowering Technology.

The mail and Web browser buttons are pre-set to email and Internet programs, but can be reset by users. To set the Web browser, mail and programmable buttons, run the Acer Launch Manager.

| Icon | Function | Description |
|---------------|--|---|
| e | Empowering Technology | Launch Acer Empowering Technology. (user-programmable) |
| Å | Acer Arcade | Launch Acer Arcade utility |
| \mathcal{C} | Wireless communication button/indicator | Enables/disables the wireless function. Indicates the status of wireless LAN communication. |
| 2 | Web browser | Internet browser (user-Programmable) |
| \bowtie | Mail | Email application (user-Programmable) |
| 8 | Bluetooth communication button/indicator | Enables/disables the Bluetooth function. Indicates the status of Bluetooth communication. |

Touch Pad Basics (with fingerprint reader)

The following items show you how to use the Touch Pad with Acer Bio-Protection fingerprint reader:



- Move your finger across the Touch Pad (1) to move the cursor.
- Press the left (2) and right (4) buttons located beneath the Touch Pad to perform selection and execution functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the Touch Pad is the same as clicking the left button.
- Use Acer Bio-Protection fingerprint reader (3) supporting Acer FingerNav 4-way control function (only for certain models) or the 4-way scroll (3) button (only for certain models) to scroll up or down and move left or right a page. This fingerprint reader or button mimics your cursor pressing on the right scroll bar of Windows applications.

| Function | Left Button (2) | Right Button (4) | Main Touch Pad (1) |
|---------------------|--|------------------|---|
| Execute | Quickly click twice. | | Tap twice (at the same speed as double-clicking a mouse button). |
| Select | Click once. | | Tap once. |
| Drag | Click and hold, then use finger on the Touch Pad to drag the cursor. | | Tap twice (at the same speed as double-clicking a mouse button); rest your finger on the Touch Pad on the second tap and drag the cursor. |
| Access context menu | | Click once. | |

NOTE: When using the Touch Pad, keep it - and your fingers - dry and clean. The Touch Pad is sensitive to finger movement; hence, the lighter the touch, the better the response. Tapping too hard will not increase the Touch Pad's responsiveness.

Using the Keyboard

The keyboard has full-sized keys and an embedded numeric keypad, separate cursor, lock, Windows, function and special keys.

Lock Keys and embedded numeric keypad

The keyboard has three lock keys which you can toggle on and off.

| Lock key | Description |
|-------------------------------------|--|
| Caps Lock | When Caps Lock is on, all alphabetic characters typed are in uppercase. |
| Num Lock <fn> + <f11></f11></fn> | When Num Lock is on, the embedded keypad is in numeric mode. The keys function as a calculator (complete with the arithmetic operators +, -, *, and /). Use this mode when you need to do a lot of numeric data entry. A better solution would be to connect an external keypad. |
| Scroll Lock <fn> + <f12></f12></fn> | When Scroll Lock is on, the screen moves one line up or down when you press the up or down arrow keys respectively. Scroll Lock does not work with some applications. |

The embedded numeric keypad functions like a desktop numeric keypad. It is indicated by small characters located on the upper right corner of the keycaps. To simplify the keyboard legend, cursor-control key symbols are not printed on the keys.

| Desired access | Num Lock on | Num Lock off |
|---|--|--|
| Number keys on embedded keypad | Type numbers in a normal manner. | |
| Cursor-control keys on embedded keypad | Hold <shift></shift> while using cursor-control keys. | Hold <fn></fn> while using cursor-control keys. |
| Main keyboard keys | Hold <fn></fn> while typing letters on embedded keypad. | Type the letters in a normal manner. |

Windows Keys

The keyboard has two keys that perform Windows-specific functions.

| Key | Description | |
|-----------------|--|--|
| Windows key | Pressed alone, this key has the same effect as clicking on the Windows Start button it launches the Start menu. It can also be used with other keys to provide a variety of functions: | |
| | <®>: Open or close the Start menu | |
| | < ₹ > + < D>: Display the desktop | |
| | < ₽> + <e>:</e> Open Windows Explore | |
| | < ₽> + <f>:</f> Search for a file or folder | |
| | < (♣) > + <g>:</g> Cycle through Sidebar gadgets | |
| | <>> + <l>: Lock your computer (if you are connected to a network domain), or switch users (if you're not connected to a network domain)</l> | |
| | < ®> + <m>:</m> Minimizes all windows | |
| | < ®> + <r>:</r> Open the Run dialog box | |
| | < ? → > + <t>: Cycle through programs on the taskbar</t> | |
| | < ₽> + <u>:</u> Open Ease of Access Center | |
| | < (♣) > + <x>:</x> Open Windows Mobility Center | |
| | < ₽> + <break>:</break> Display the System Properties dialog box | |
| | < (♣) > + <shift+m>:</shift+m> Restore minimized windows to the desktop | |
| | < ₹ > + <tab>: Cycle through programs on the taskbar by using Windows Flip 3-D</tab> | |
| | < > + <spacebar>: Bring all gadgets to the front and select Windows Sidebar</spacebar> | |
| | <ctrl> + <(♣) > + <f>: Search for computers (if you are on a network)</f></ctrl> | |
| | <ctrl> + <(♣) > + <tab>: Use the arrow keys to cycle through programs on the taskbar by using Windows Flip 3-D</tab></ctrl> | |
| | Note: Depending on your edition of Windows Vista, some shortcuts may not function as described. | |
| Application key | This key has the same effect as clicking the right mouse button; it opens the application's context menu. | |

Hot Keys

The computer employs hotkeys or key combinations to access most of the computer's controls like screen brightness, volume output and the BIOS utility.

To activate hot keys, press and hold the **<Fn>** key before pressing the other key in the hotkey combination.



| Hotkey | Icon | Function | Description |
|-----------------------------|----------------|------------------------------|---|
| <fn> + <f1></f1></fn> | ? | Hotkey help | Displays help on hotkeys. |
| <fn> + <f2></f2></fn> | & | Acer eSettings Management | Launches Acer eSettings Management in Acer Empowering Technology. |
| <fn> + <f3></f3></fn> | ♦ | Acer ePower Management | Launches Acer ePower Management in Acer Empowering Technology. |
| <fn> + <f4></f4></fn> | Z ^z | Sleep | Puts the computer in Sleep mode. |
| <fn> + <f5></f5></fn> | | Display toggle | Switches display output between the display screen, external monitor (if connected) and both. |
| <fn> + <f6></f6></fn> | * | Screen blank | Turns the display screen backlight off to save power. Press any key to return. |
| <fn> + <f7></f7></fn> | | Touch Pad toggle | Turns the internal Touch Pad on and off. |
| <fn> + <f8></f8></fn> | □/ ■» | Speaker toggle | Turns the speakers on and off. |
| <fn> + <⊳></fn> | Ö | Brightness up | Increases the screen brightness. |
| <fn> + <⊲></fn> | | Brightness down | Decreases the screen brightness. |
| <fn> + <home></home></fn> | | Play/Pause | Play/Pause the current media. |
| <fn> + <pg up=""></pg></fn> | | Stop | Stop the current media. |
| <fn> + <pg dn=""></pg></fn> | - | Skip Backward | Skip to the next track of the current media. |
| <fn> + <end></end></fn> | | Skip Forward | Skip top the previous track of the current media. |

Special Key

You can locate the Euro symbol and the US dollar sign at the upper-center and/or bottom-right of your keyboard.



The Euro symbol

- 1. Open a text editor or word processor.
- 2. Hold <Alt Gr> and then press the <5> key at the upper-center of the keyboard.

NOTE: Note: Some fonts and software do not support the Euro symbol. Please refer to www.microsoft.com/ typography/faq/faq12.htm for more information.

The US dollar sign

- 1. Open a text editor or word processor.
- 2. Hold **<Shift>** and then press the **<4>** key at the upper-center of the keyboard.

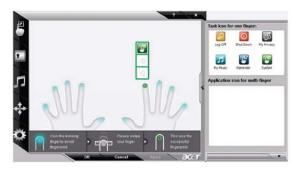
NOTE: This function varies by the operating system version.

Using the System Utilities

Acer Bio-Protection (only for certain models) Acer Bio-Protection Fingerprint Solution is a multi-purpose fingerprint software package integrated with the Microsoft Windows operating system. Utilizing the uniqueness of one's fingerprint features, Acer Bio-Protection Fingerprint Solution has incorporated protection against unauthorized access to your computer with centralized password management with Password Bank, easy music player launching with Acer MusicLaunch, secure Internet favorites via Acer MyLaunch, and fast application/website launching and login with Acer FingerLaunch, while Acer ProfileLaunch can launch up to three applications/websites from a single finger swipe.

Acer Bio-Protection Fingerprint Solution also allows you to navigate through web browsers and documents using Acer FingerNav. With Acer Bio-Protection Fingerprint Solution, you can now enjoy an extra layer of protection for your personal computer, as well as the convenience of accessing your daily tasks with a simple swipe of your finger!

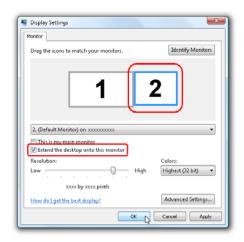
For more information refer to the Acer Bio-Protection help files.



Acer GridVista (dual-display compatible)

NOTE: This feature is only available on certain models.

To enable the dual monitor feature of the notebook, first ensure that the second monitor is connected, then select **Start, Control Panel, Display** and click on **Settings**. Select the secondary monitor **(2)** icon in the display box and then click the check box **Extend my windows desktop onto this monitor**. Finally, click **Apply** to confirm the new settings and click **OK** to complete the process.



Acer GridVista is a handy utility that offers four pre-defined display settings so you can view multiple windows on the same screen. To access this function, please go to **Start** \rightarrow **All Programs** and click on **Acer GridVista**. You may choose any one of the four display settings indicated below:

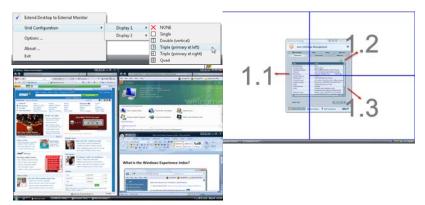


Double (vertical), Triple (primary at left), Triple (primary at right), or Quad Acer Gridvista is dual-display compatible, allowing two displays to be partitioned independently.

Acer Gridvista is dual-display compatible, allowing two displays to be partitioned independently.

AcerGridVista is simple to set up:

- 1. Run Acer GridVista and select your preferred screen configuration for each display from the task bar.
- 2. Drag and drop each window into the appropriate grid.
- 3. Enjoy the convenience of a well-organized desktop.



NOTE: Please ensure that the resolution setting of the second monitor is set to the manufacturer's recommended value.

Hardware Specifications and Configurations

Processor

| Item | Specification |
|------------------|---|
| CPU type | AMD CPU S1g2 Processor (Griffin Series - Turion / Sempron); HT3 (1.2~2.6 GT/s) (Bandwidth: 9.6GB/S to 20.8GB/s) |
| | 1.8GHz ~ 2.3GHz CPU |
| CPU package | 638-Pin Lidless Micro PGA package (35mm * 35mm) |
| Features | The AMD Socket S1g2 processor is a superb, high-performance product for mobile systems. With HyperTransport™ 3 technology bus and on-chip memory controller |
| CPU core voltage | VCC_CORE0(based on CPU) |
| | VCC_CORE1(based on CPU) |
| | CPU_VDDNB (based on CPU) |
| | VLDT 1.2V_HT |
| | VDD I/O 1.8VSUS |
| | CPU Memory Interface SMDDR_VTEM |

CPU Fan True Value Table

| Level | Fan On Temp. | Fan Off Temp. | RPM | Throttling dB (A) |
|-------|--------------|---------------|------|-------------------|
| 0 | 52 | 48 | 3100 | 31 |
| 1 | 60 | 55 | 3500 | 34 |
| 2 | 70 | 65 | 4100 | 37 |
| 3 | 90 | 80 | 4500 | 40 |

• Throttling 50%: On =97C; Off=88C

OS Shut down: 105CH/W Shut down: 110CFan default 3.5V

Core Logic

| Item | Specification | |
|----------|---|--|
| Туре | NVidia MCP77MH MCP77MH (North Bridge + South Bridge) | |
| Package | MCP77M is a 27 × 27 package with 836 balls and a 0.8 mm ball pitch. | |
| Features | The NVIDIA nForce® MCP77 family of graphics, media and communications processors (GMCP) are the notebook industry's first single-chip solutions providing DirectX 10 shader model 4.0 graphics features, a dedicated video processor, HDMI,LVDS, dual mode display Port support and a rich feature set including a second generation PCI Express interface, industry first HyperTransport 3 with link power management, native Gigabit Ethernet MAC, Serial ATA and ATA-133 support, high definition audio, USB2.0, PCI, real-time power management processor, and other standard peripheral functions. Paired with an AMD Griffin Series -Turion64, Turion64X2,or Mobile Sempron CPU, all the key features needed for next generation entertainment, computing, and communications come together in MCP77. MCP77 also support innovative new hybrid-SLI functionality that increases performance and typical battery life for notebooks that also include an NVIDIA GPU. | |
| | The MCP77M master feature set includes the following features: | |
| | Single chip for small form factor notebook designs | |
| | Microsoft Windows Vista premium support for all 2008 requirements visual user interface support. | |
| | Integrated GeForce DirectX 10 model 4.0 graphics processor1. Unified Shader model 4.0 for geometry, vertex and pixel processor2. NVIDIA® Intellisample™ AA technology | |
| | Next generation NVIDIA® PureVideo™ HD video processor for full HD content decode and Playback with long battery life or with lower cost single core CPUs. | |
| | PowerMizer SX (System eXtensions) reduces system power usage. | |
| | Integrated Display Cache 2.0 allows CPU to spend extended periods in Alt-vid Deeper Sleepstate without the cost or wasted power of a local frame buffer. | |
| | Integrated 300 MHz DAC for external desktop displays | |
| | Integrated TMDS interface with HDCP (High-Definition Content Protection) key support and optional protected audio stream mixing for HDMI support | |
| | HDCP support without the need for external key ROMs | |
| | Integrated dual channel LVDS interface for up to 1920 x 1200 LCD displays | |
| | Integrated high definition TV encoder with YPrPb component video supporto HyperTransport 3.0×16 up and down links to the AMD Socket S1 g2 CPU with full HT3 link | |
| | Support for PCI Express Base Specification, Gen 2 | |
| | Hybrid SLI support for simultaneous support of integrated and discrete GPUs for longer battery life in premium performance notebooks. | |
| | PCI Express x16 link interface for external graphics processors | |
| | Up to six PCI Express x1 link interfaces, with dedicated controller for other peripherals | |
| | AHCI SATA controller with support for four drives at 1.5 Gbps or 3.0 Gbps speeds | |
| | Fast ATA-133 IDE controller | |

| Item | Specification |
|----------------------|---|
| Features (continued) | Fast ATA-133 IDE controller |
| | NVIDIA® MediaShield™ RAID with support for RAID 0, RAID 1 |
| | IEEE 802.3 NVIDIA MAC for 1000BASE-T/100BASE-T/10BASE-T Gigabit/Fast Ethernet/Ethernet. RGMII for Gigabit/Fast Ethernet/ Ethernet, aria. MII for Fast Ethernet/Ethernet |
| | ASF 2.0 support for remote management |
| | SPI Interface to Serial flash EEPROM |
| | Able to load SBIOS and boot from SPI EEPROM without the use of extra LPC-based EEPROM |
| | TPM 1.2 support |
| | Dual USB 2.0 EHCl and USB 1.1 OHCl (supports up to twelve ports) |
| | PCI 2.3 interface |
| | Supports up to five PCI devices with dedicated REQ/GNT pairs |
| | Dual SMBus 2.0 interfaces |
| | UAA (Universal Audio Architecture) High Definition Audio (HDA) interface |
| | Supports up to two external UAA High Definition Audio codecs for 7.1 channel audio |
| | Supports 32-bit/192 kHz audio functionality |
| | LPC bus 1.0 compatible interface |
| | Integrated programmable clock synthesizer with spread spectrum support |
| | Support for Microsoft Vista ReadyDrive feature using commodity hard-drives and flash devices |
| | Support for direct input from accelerometer for more responsive hard disk park control |
| | ASF 2.0 support for remote manageability |
| | Separately programmable spread spectrum support for key interfaces including LVDS, SATA, HT |
| | AMD CPU power sequencing protection logic |
| CPU core voltage | +NB_CORE for MCP77M CORE Power(+1.0V) |
| | +1.1V_NB for MCP77M Hyper Transport Power |
| | +1.1V for Hyper Transport, PCI-E, Sleep mode Core power, SATA Interface, TV DAC supply |
| | +1.8V for LVDS digital supply |
| | +3.3V for PLL, CRTDAC, RGB DAC supply, USB Interface, CPU Interface |
| | LAN MAC, Display |

Crystal and Oscillator

| Item | Specification |
|----------|---|
| Features | 32.768Khz crystal for RTC inside MCP77 and WINBOND WPC8769LDG |
| | 25MHZ crystal for MCP77 controller |
| | 25MHZ crystal for BroadCom Lan controller BCM5764 |

System Memory

| Item | Specification |
|---------------------------------|--|
| Memory controller | Built-in |
| Memory size | 0MB (no on-board memory) |
| DIMM socket number | 2 sockets |
| Supports memory size per socket | 2 GB |
| Supports maximum memory size | 4G for 64bit OS (with two 2GB SODIMM) |
| Supports DIMM type | DDR II SDRAM memory interface design |
| Supports DIMM Speed | 533/677 Mhz |
| Memory module combinations | You can install memory modules in any combinations as long as they match the above specifications. |

Memory Combinations

| Slot 1 | Slot 2 | Total Memory |
|--------|--------|--------------|
| 0MB | 512MB | 512MB |
| OMB | 1024MB | 1024MB |
| 0MB | 2048MB | 2048MB |
| 512MB | 512MB | 1024MB |
| 512MB | 1024MB | 1536MB |
| 512MB | 2048MB | 2560MB |
| 1024MB | 0MB | 1024MB |
| 1024MB | 512MB | 1536MB |
| 1024MB | 1024MB | 2048MB |
| 1024MB | 2048MB | 3072MB |
| 2048MB | 0MB | 2048MB |
| 2048MB | 512MB | 2560MB |
| 2048MB | 1024MB | 3072MB |
| 2048MB | 2048MB | 4096MB |

Hard Disk Drive

| Item | | Specifications | |
|----------------------------|---|----------------|---------------|
| Vendor | Western Digital | | |
| Model Name | WD1200BEVS | WD1600BEVS | WD2500BEVS |
| Capacity (MB) | 120,034 | 160,041 | 250,059 |
| Bytes per sector | 512 | 512 | 512 |
| Data heads | 3 | 3 | 4 |
| Drive Format | | | |
| Disk No. | 1 | 2 | 2 |
| Spindle speed (RPM) | 5400 | 5400 | 5400 |
| Performance Specifications | | | |
| Buffer size | 8 MB | | |
| Interface | SATA 1.5 Gb/s | SATA 1.5 Gb/s | SATA 1.5 Gb/s |
| Data Transfer Rate (max.) | 1.5 Gb/s maximum | | |
| | 850 Mbits/s maximum | | |
| DC Power Requirements | | | |
| Supply voltage | +5.0V ±5% | | |
| Power supply ripple | Maximum Frequency: 100 mV (double amplitude) 0-30 MHz | | |

Blue-Ray Combo Drive Module

| Item | Specification | |
|---------------------------|---|-------------------|
| Vendor & model name | Sony BC-5500S | |
| Performance Specification | With CD Diskette | With DVD Diskette |
| Transfer rate (MB/sec) | Sustained: | Sustained: |
| | Max 2.4 Mbytes/sec | Max 11 Mbytes/sec |
| Buffer Memory | 4.5 MB | |
| Interface | SATA | |
| Applicable disc format | Applicable media types: | |
| | BD-ROM (Single and Dual Layer) | |
| | BD-R (Single and Dual Layer) | |
| | BD-RE (Single and Dual Layer) | |
| | DVD-ROM (Single and Dual Layer) | |
| | DVD+R (Single and Double Layer) | |
| | DVD-R (Single and Dual Layer) | |
| | DVD+RW (Single Layer) and DVD-RW (Single Layer) discs | |
| | DVD-RAM (Ver.2) | |
| | CD-ROM CD-ROM | |
| | CD-R | |
| | CD-RW | |
| Loading mechanism | Drawer (Solenoid Open) | |
| | Tact SW (Open) | |
| | Emergency Release (draw open hole) | |
| Power Requirement | | |
| Input Voltage | DC 5 V +/- 5% | |

Super-Multi Drive Module

| Item | Specification | | |
|---------------------------|---|-----------------------|--|
| Vendor & model name | HLDS/GSA-T50N, Philips DS-8A2S, Toshiba Digi/TS-L633A | | |
| Performance Specification | With CD Diskette | With DVD Diskette | |
| Transfer rate (MB/sec) | Sustained: | Sustained: | |
| | Max 3.5 Mbytes/sec | Max 10 Mbytes/sec | |
| Buffer Memory | 2MB | | |
| Interface | SATA | | |
| Applicable disc format | Applicable media types: | | |
| | Writing: | | |
| | Confirms to DVD+R Version 1.2 and DVD+RW Version 1.3 / DVD+R DL Version 1.0 /DVD-R Version 2.0 / DVD-RW Version 1.2 / DVD-R DL Version 3.0. | | |
| | Reading: | | |
| | DVD single/dual layer (PTP, OTP), DV | D-R single/dual layer | |
| | DVD+R single/double layer | | |
| | DVD-RW | | |
| | DVD+RW | | |
| | CD-DA | | |
| | CD-ROM | | |
| | CD-ROM/XA | | |
| | Photo-CD, Multi-session, Video CD | | |
| | CD-I FMV, CD Extra, CD Plus, CD-R, and CD-RW | | |
| Loading mechanism | Drawer (Solenoid Open) | | |
| | Tact SW (Open) | | |
| | Emergency Release (draw open hole) | | |
| Power Requirement | | | |
| Input Voltage | DC 5 V +/- 5% | | |

Thermal Sensor Control

| Item | Specification | |
|---------------------|------------------------------------|--|
| Thermal Sensor Chip | GMT-786 / W83L771 | |
| Package | 8-pin SSOP | |
| Features | Thermal sensor control Interface | |
| Interface | I ² C bus, address: 98h | |

BIOS

| Item | Specification |
|----------------|--------------------------------------|
| BIOS vendor | Phoenix BIOS code |
| BIOS Version | v0.3325 (for MP units) |
| BIOS ROM type | WND 1MB CMOS Boot Block Flash Memory |
| BIOS ROM size | 1MB |
| BIOS package | 8 pins SOP |
| Block size | 64kbytes per block |
| Supply Current | Active current = 5 mA (Typical) |
| | Standby current= 1 μA (Typical) |

LCD 17.0"

| Item | Specification |
|--|---------------------------------------|
| Vendor/model name | Samsung LTN170BT07-G01 |
| Active Area (mm) / | 367.20(H) x 229.50(V) |
| Screen Diagonal (mm) | 17.0" diagonal |
| Display resolution (pixels) | 1440 x 900 (Wide XGA+) |
| Pixel Pitch | 0.255(H) x 0.255(V) (TYP.) |
| Pixel Arrangement | RGB vertical stripe |
| Display Mode | Normally white |
| Typical White Luminance (cd/m²) also called Brightness | Minimum 190, Typical 220 |
| Contrast Ratio | Minimum 300, Typical 500 |
| Response Time (Optical Rise Time/Fall Time) msec | Typical 8, Maximum 16 |
| Nominal Input Voltage VDD | Minimum 3.0, Typical 3.3, Maximum 3.6 |
| Typical Power Consumption (watt) | 4. 68 |
| Weight (g) | Typical 715, Maximum 735 |
| Physical Size (mm) | 382 (H) x 244.5 (V) x 6.7 (D) |
| Electrical Interface | LVDS |
| Support Color | 262,144 |
| Viewing Angle (degree) | |
| Horizontal: Right/Left | 40, 45 / 40, 45 |
| Vertical: Upper/Lower | 15, 20 / 20, 25 |
| Temperature Range (°C) | |
| Operating | 0 / 50 |
| Storage (shipping) | -20 / 60 |

KBC

| Item | Specification |
|----------|---|
| Chipset | WND WPCE775CA0DG |
| Features | Share BIOS memory |
| | Support for SPI flash memories |
| | Flash page programing support |
| | Host-controlled CIR Port |
| | High-accuracy, high-speed ADC |
| | Up to 84 GPIO ports (including KB scanning) with a variety of wake-up events |
| | 16 bit RISC core, with up to 4 Mbytes of external address space, running at up to 25MHz |
| | 128 pin LQFP package |
| | PC01 REV 1.0 and ACPI3.0 compliant. |
| | Supports Microsoft® Advanced Power Management (APM) Specifications Rev 1.2 |

VGA Subsystem

| Item | Specification |
|------------------------|---|
| Chipset | NVidia Graphic |
| Package | nVIDIA MCP77 |
| Features | Dual Head Display Controller |
| | Full NVIDIA® nView[™] multi-display technology capability, with two independent display controllers supporting a combination of any two of the following CRT, TV,LVDS and HDMI/DVI/DP interfaces |
| | Each controller can drive same or different display contents to different resolutions and refresh rates |
| | Video mirroring support |
| | Display Cache support CRT Display DAC |
| | 300 MHz RAMDAC for analog displays with resolutions up to and including 1920 x1440 at 60 Hz depending on dual head and video configurations. |
| | Single channel TMDS interface for 25MHz to 165MHz pixel data rate |
| | Support version 1.1 of the Display Port interface standard for flat panel display, Projectors, PCs and CE devices. |
| | High-quality video scaling and filtering. |
| | Up to WUXGA resolution support on HDMI, and up to 2560 X 1600 resolution supporting Display Port mode. |
| | SPWG compliant |
| | Support for LCD panel EDID |
| | Power based on MCP67M: |
| | +NB_CORE for MCP77M CORE Power(+1.0V) |
| | +1.1V_NB for MCP77 Hyper Transport Power +1.1V for Hyper Transport, PCI-E, Sleep mode Core power, SATA Interface, TV DAC supply |
| | +1.8V for LVDS digital supply |
| | +3.3V for PLL, CRTDAC, RGB DAC supply, USB Interface, CPU Interface, LAN MAC, Display |
| Discrete Graphic (MXM) | MSI MS-V115A3-9MGS256 (256MB)/ Yuan YSTP621GP 1(256MB) |
| | NVIDIA NB9M-GS (G3-64 package) |
| | Featuring: |
| | 16 Lane PCI Express support |
| | LVDS Interface support |
| | VGA support |
| | Video out support |
| | Upgradeable graphics Device: 400/ 50/ 3 50/ 4 50/ |
| | • Power: 19V, 5V, 3.3V, 2.5V, 1.8V |
| Power | 19V, 5V, 3.3V, 2.5V, 1.8V |

Memory Card Reader

| Item | Specification |
|-----------|--|
| Туре | Realtek RTS5158E (One-LUN USB 2.0 Card Controller) |
| Package | 48-pin LQFP (size= 9x9mm) |
| Features | The RTS5158E is an ultimate throughput USB 2.0 compliant card reader controller that integrates USB 2.0 Transceiver, MCU, SIE, regulators and memory card access units into a single chip. The RTS5158E can support Memory Stick, Memory Stick Pro, |
| | Memory Stick PRO-HG Duo, Secure Digital, Multi-Media Card and xD-Picture Card, but only 1-LUN configuration, i.e.only one of these memory cards can be inserted into RTS5158E system at the same time. |
| | Compliant with Universal Serial Bus Specification Revision 2.0- |
| | Compliant with USB Mass Storage Class Bulk only Transport Specification Rev. 1.0- |
| | Support High-speed (480Mbps) and Full-speed (12Mbps) Data Transfer- |
| | USB bus power operation- |
| | Support Control, Bulk IN / OUT data pipes- |
| | Support the following memory card interfaces: |
| | Secure Digital™ (SD), |
| | MultiMediaCard™ (MMC), |
| | Mini-SD, Micro-SD (T-flash), |
| | RS-MMC,Mobile-MMC and MMC-micro-Memory Stick[™] (MS), |
| | Memory Stick PRO™ (MS-PRO), |
| | MS Duo, MS-PRO Duo and Micro-MS (M2)-MSPRO-HG Duo 8-bit mode |
| | xD-Picture Card[™] (xD) including Type M and Type H. |
| | Support hardware ECC (Error Correction Code) function- |
| | Support hardware CRC (Cyclic Redundancy Check) function- |
| | Programmable clock rate for flash memory card interfaces- |
| | • Support MS-PRO v1.02- |
| | • Support MS v1.43 |
| | • Support MS PRO-HG Duo v1.01 |
| | • Support SD version 2.0• Support MMC version 4.2• |
| | Support xD v1.2- Integrated Fact 9051 migraprocessor |
| | Integrated Fast 8051 microprocessor External serial EEPROM interface |
| | 12MHz crystal oscillator with integrated PLL- |
| | Support 48Mhz directly input from clock generator- |
| | On chip 3.3V to 1.8V regulator |
| | On chip MOSFET with 250mA capability for direct power control |
| | of all types memory cards. |
| | Support Spread Spectrum Clock for SD/MMC and MS/MSPRO/ HG to reduce EMI effect- |
| | Support USB remote wake-up ability with memory card inserted and removal operation- |
| | Provide Selective Suspend driver to reduce power |
| | consumption. |
| | 48-pin LQFP package |
| Power | • +3.3V |
| 1 1/441/1 | |

IR

| Item | Specification | | | |
|----------|--|--|--|--|
| Туре | EVERLIGHT ELECTRONICS IRM-V038/TR1-P | | | |
| Features | High immunity against ambient light. | | | |
| | Long reception distance. | | | |
| | Suitable burst length =>10 pulses/burst. | | | |
| | Low voltage and low power consumption. | | | |

Audio Interface

| Item | Specification | | | |
|------------------|---|--|--|--|
| Audio Controller | Realtek ALC888 Azadia Codec and Amplifier GMT G1441&G1412 | | | |
| Features | HD Audio | | | |
| | 97dB SNR DACs & 90dB SNR ADCs | | | |
| | Ten DAC channels support 16/20/24-bit PCM format for 7.1 sound playback, plus 2channels of independent stereo sound output (multiple streaming) through the front panel output | | | |
| | Two stereo ADCs support 16/20/24-bit PCM format, one for stereo microphone, one for legacy mixer recording | | | |
| | All DACs supports 44.1k/48k/96k/192kHz sample rate | | | |
| | All ADCs support 44.1k/48k/96k sample rate | | | |
| | Two independent 16/20/24-bit S/PDIF-OUT converters support 44.1k/48k/96k/192kHzsample rate, one for nominal digital audio, the other one for digital audio output to HDMI transmitter | | | |
| | Enable VoIP function | | | |
| | Subwoofer support | | | |

LAN Interface

| Item | Specification | | | | |
|-------------|--|--|--|--|--|
| LAN Chipset | BroadCom Lan controller BCM5764 | | | | |
| Features | PCI-E interface LAN controller | | | | |
| | PCIE V1.1 compliant. | | | | |
| | Support wake on LAN meeting the ACPI requirements. | | | | |
| | 68-pin QFN package. | | | | |

Bluetooth Interface

| Item | Specification | | | |
|----------|--|--|--|--|
| Chipset | FOXCON T60H928.11 Bluetooth miniUSB module | | | |
| Features | Internal Mini USB solution with antenna | | | |
| | Bluetooth 2.0+EDR | | | |
| | Bluetooth control for BT optical mouse | | | |

Keyboard

| Item | Specification Sp | | |
|--|--|--|--|
| Туре | Aspire series: New Acer Non-Ergo Keyboard | | |
| Total number of keypads | 104-key | | |
| Windows logo key | Yes | | |
| Internal & external keyboard work simultaneously | Plug USB keyboard to the USB port directly: Yes | | |

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MDC Card

| Item | Specification | | | |
|----------|--|--|--|--|
| Chipset | Intel® Wireless WiFi Link 5100/5300 | | | |
| Features | The modem supports ITU-T V.92, V.90, V.34 (33600 bits/s), V.32bis and fallbacks. | | | |
| | It also supports V.42 LAPM, MNP 2-4 error correction. | | | |
| | V.44, V.42bis and MNP 5 data compression. | | | |
| | Send and receive rates up to 14400bps, support ITU-T V.17, V.29, V.27ter, and V.21Ch2 fax. | | | |
| | TIA/EIA 602 Standard for AT command set, and Fax TIA/EIA 578 Class 1 command set. | | | |
| | DTMF and call progress monitor | | | |

Camera

| Item | Specification | | | |
|---------------------------|-------------------------------|--|--|--|
| Vendor and model name | Suyin CN0314-SN30-OV03-1 | | | |
| Interface | USB 2.0 | | | |
| Optical aperture | F2.0 | | | |
| Focusing range | 40 cm to infinity | | | |
| Dimensions (L x W x H mm) | 65 x 9.0 x 5.30 (±0.20) | | | |
| Sensor type | OV7725 CMOS Sensor 350K Pixel | | | |
| Pixel resolution | 640 x 480 | | | |
| Pixel size | 6.0µm x 6.0µm | | | |
| Image size (mm) | 3.98 (H) x 2.95 (V) | | | |

Finger Print Board

| Item | Specification | | | |
|----------|---|--|--|--|
| Features | TruePrint® and TrueMatch® Technology. | | | |
| | TrueNav® Cursor and Menu Navigation Technology | | | |
| | High Definition 128 x 8 Pixel Array | | | |
| | Multiple battery-friendly operating modes @ 3.3V | | | |
| | Built-in low power Finger Detection w/ remote wakeup capability | | | |
| | USB 2.0 Full Speed Interface | | | |

Battery

| Item | Specification | | |
|------------------------|--------------------------------|--------------------------|--|
| Vendor & model name | Sanyo, Simplo, Sony, Panasonic | Sanyo, Simplo, Panasonic | |
| Battery Type | Li-ion | Li-ion | |
| Pack capacity | 4400 mAh | 4800 mAh | |
| Number of battery cell | 6 | 8 | |
| Package configuration | 3S2P | 4S2P | |

System Utilities

BIOS Setup Utility

The BIOS Setup Utility is a hardware configuration program built into your computer's BIOS (Basic Input/Output System).

Your computer is already properly configured and optimized, and you do not need to run this utility. However, if you encounter configuration problems, you may need to run Setup. Please also refer to Chapter 4 Troubleshooting when problem arises.

To activate the BIOS Utility, press **F2** during POST (when "Press <F2> to enter Setup" message is prompted on the bottom of screen).

Press **F2** to enter setup. The default parameter of F12 Boot Menu is set to "disabled". If you want to change boot device without entering BIOS Setup Utility, please set the parameter to "enabled".

Press <F12> during POST to enter multi-boot menu. In this menu, user can change boot device without entering BIOS SETUP Utility.

Navigating the BIOS Utility

There are six menu options: Information, Main, Advanced, Security, Boot, and Exit.

Follow these instructions:

- To choose a menu, use the left and right arrow keys.
- To choose an item, use the up and down arrow keys.
- To change the value of a parameter, press F5 or F6.
- A plus sign (+) indicates the item has sub-items. Press Enter to expand this item.
- Press Esc while you are in any of the menu options to go to the Exit menu.
- In any menu, you can load default settings by pressing F9. You can also press F10 to save any changes made and exit the BIOS Setup Utility.

NOTE: You can change the value of a parameter if it is enclosed in square brackets. Navigation keys for a particular menu are shown on the bottom of the screen. Help for parameters are found in the Item Specific Help part of the screen. Read this carefully when making changes to parameter values. **Please note that system information is subject to different models**.

Information

The Information screen displays a summary of your computer hardware information.

| PhoenixBIOS Setup Utility | | | | | |
|---|---|--|--|--|--|
| Information Main Advanced | Security Boot Power Exit | | | | |
| CPU Type: CPU Speed: | AMD Turion(tm) Ultra Dual-Core Mobile ZM-82 2200 MHz | | | | |
| IDE Model Name: IDE Serial Number: IDE1 Model Name: IDE1 Serial Number: | ST9250827AS 5RG01N2C | | | | |
| ATAPI Model Name: System BIOS Version: VGA BIOS Version: Serial Number: Asset Tag Number: Product Name: | Optiarc BD ROM BC-5500S V0.3103 nVidia 62.77.15.00.09 ZY50SK03C1815029FD2500 | | | | |
| Manufacturer Name: UUID: | Acer 00B7B9A32AC4DC1198AE001E683E8E30 | | | | |
| F1 Help ↑↓ Select Item ESC Exit ←→ Select Menu | F5/F6 Change Values F9 Setup Defaults Enter Select▶Sub-Menu F10 Save and Exit | | | | |

NOTE: The system information is subject to different models.

| Parameter | Description | | | | |
|---------------------|--|--|--|--|--|
| CPU Type | This field shows the CPU type and speed of the system. | | | | |
| CPU Speed | This field shows the speed of the CPU. | | | | |
| IDE Model Name | This field shows the model name of HDD installed on primary IDE master. | | | | |
| IDE Serial Number | This field displays the serial number of HDD installed on primary IDE master. | | | | |
| IDE1 Model Name | This field shows the model name of HDD installed on secondary IDE master. | | | | |
| IDE1 Serial Number | This field displays the serial number of HDD installed on secondary IDE master. | | | | |
| ATAPI Model Name | This field shows the model name of the Optical device installed in the system. | | | | |
| System BIOS Version | Displays system BIOS version. | | | | |
| VGA BIOS Version | This field displays the VGA firmware version of the system. | | | | |
| Serial Number | This field displays the serial number of this unit. | | | | |
| Asset Tag Number | This field displays the asset tag number of the system. | | | | |
| Product Name | This field shows product name of the system. | | | | |
| Manufacturer Name | This field displays the manufacturer of this system. | | | | |
| UUID Number | Universally Unique Identifier (UUID) is an identifier standard used in software construction, standardized by the Open Software Foundation (OSF) as part of the Distributed Computing Environment (DCE). | | | | |

Main

The Main screen allows the user to set the system time and date as well as enable and disable boot option and recovery.

| PhoenixBIOS Setup Utility | | | | | |
|---|-------------|------------|-----------|--------|--|
| Information Main | Advanced | Security | Boot | Power | Exit |
| | | | | | Item Specific Help |
| System Time | | [13:04:04] | | | <tab>, <shift-tab>, or</shift-tab></tab> |
| System Date | | [05/15/200 | 8] | | <enter> selects field.</enter> |
| System Memory | | 634 KB | | | |
| Extended Memory | | 1790 MB | | | |
| Video Memory | | [256 MB] | | | |
| Quiet Boot: | | [Enabled] | | | |
| Network Boot: | | [Enabled] | | | |
| F12 Boot Menu: | | [Disabled] | | | |
| D2D Recovery: | | [Enabled] | | | |
| SATA Mode: | | [ACHI Mod | le] | | |
| Force Single Bank: | | [Disabled] | | | |
| | | | | | |
| F1 Help | elect Item | F5/F6 C | hange Va | lues | F9 Setup Defaults |
| $ESCExit\qquad \longleftrightarrow\qquad$ | Select Menu | Enter Se | elect▶Sub | o-Menu | F10 Save and Exit |

NOTE: The screen above is for your reference only. Actual values may differ.

The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

| Parameter | Description | Format/Option |
|-------------------|---|---|
| System Time | Sets the system time. The hours are displayed with 24-hour format. | Format: HH:MM:SS (hour:minute:second) |
| System Date | Sets the system date. | Format MM/DD/ YYYY (month/day/year) |
| System Memory | This field reports the memory size of the system. Memory size is fixed to 3071 MB. | N/A |
| Extended Memory | This field reports the Extended Memory size. Memory size is fixed to 4094 MB. | N/A |
| Video Memory | Shows the video memory size. VGA Memory size=32 MB | N/A |
| Quiet Boot | Displays the logo screen while booting. | Option: Enabled or Disabled |
| Network Boot | Enables, disables the system boot from LAN (remote server). | Option: Enabled or Disabled |
| F12 Boot Menu | Enables, disables Boot Menu during POST. | Option: Disabled or Enabled |
| D2D Recovery | Enables, disables D2D Recovery function. The function allows the user to create a hidden partition on hard disc drive to store operation system and restore the system to factory defaults. | Option: Enabled or Disabled |
| SATA Mode | Control the mode in which the SATA controller should operate. | Option: AHCI Mode or IDE Mode |
| Force Single Bank | When enabled, limits memory DIMM to a single bank regardless of DIMM content. | Option: Disabled or Enabled |

Advanced

The Advanced screen allows the user to configure the various advanced BIOS options.

IMPORTANT: Making incorrect settings to items on these pages may cause the system to malfunction. Unless you have experience adjusting these items, we recommend that you leave these settings at the default values. If making settings to items on these pages causes your system to malfunction or prevents the system from booting, open BIOS and choose Load Optimal Defaults in the Exit menu to boot up normally.

| PhoenixBIOS Setup Utility | | | | |
|-------------------------------|------------|----------|--------|-----------------------|
| Information Main Advanced | Security | Boot | Power | Exit |
| | | | | Item Specific Help |
| ▶USB Self-Healing | | | | Use this feature to |
| Secured Setup Configurations: | [No] | | | tune USB timing event |
| Reset Configuration Data: | [No] | | | for USB devices |
| LPC Port 80: | [Enabled] | | | |
| PCI Hot-Plug Resources: | [Enabled] | | | |
| I/O: | [256] | | | |
| Memory: | [2M] | | | |
| Pre-fetchable Memory: | [2M] | | | |
| Enable Multimedia Timer: | [Yes] | | | |
| Watchdog Timer: | [Disabled] | | | |
| ► Hammer Configuration | | | | |
| Integrated Devices | | | | |
| ►PnP Configuration | | | | |
| ►IDE Configuration | | | | |
| ▶iGPU - Chipset | | | | |
| LCD Panel type: | [EDID com | pliant] | | |
| 7, | | | | |
| F1 Help ↑↓ Select Item | F5/F6 C | hange Va | alues | F9 Setup Defaults |
| ESC Exit ←→ Select Menu | Enter Se | lect▶Su | b-Menu | F10 Save and Exit |

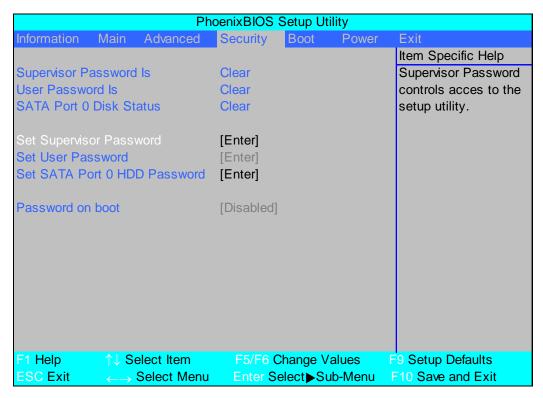
The table below describes the items, menus, and submenus in this screen. Settings in **boldface** are the default and suggested parameter settings.

| Parameter | Description | Submenu Items |
|--------------------------------|--|--------------------|
| USB Self-Healing | Enter the USB Self-Healing menu. | Self-Healing |
| | | ►OCHI Self-Healing |
| | | ▶EHCI Self-Healing |
| Secured Setup Configuration | Prevents Plug and Play devices from changing system settings. | N/A |
| Reset Configuration Data | Clear the Extended System Configuration Data (ESCD) area using this option. | N/A |
| LPC Port 80 | Enable or Disable LPC Port 80. | N/A |
| PCI Hot-Plug Resources | Enable or Disable Hot-Plug support. | N/A |
| I/O | Set the amount of I/O (in bytes) available to the Hot-Plug slots. | N/A |
| Memory | Set the amount of Memory (in bytes) available to Hot-Plug slots. | N/A |
| Pre-fetchable Memory | Set the amount of Pre-fetchable Memory (in bytes) available to the Hot-Plug slots. | N/A |

| Parameter | Description | Submenu Items |
|----------------------------|---|---|
| Enable Multimedia Timer | Enable [Yes] or Disable [No] Multimedia Timer support. | N/A |
| Watchdog Timer | Disable or Enable the OS Watchdog Timer using ACPI WDAT. | N/A |
| Hammer Configuration | Enter the Hammer Configuration menu. | HT-LDT Frequency HT-LDT Width DDR2 Memory Frequency LS Table loading ISO Flow Control Hi Priority Channel Display Refresh Sync Flood Detection |
| Integrated Devices | Enter the Integrated Devices menu. | USB Control USB2 Control USB BIOS Legacy Support MAC LAN Azalia Codec Integrated Codec SATA Mode SATA HCI Mode SATA Hotplug Power on options Interrupt Mode PCI Express MSI S5 WOL Software Based PMU FW Loading SMU Dynamic Crush Voltage PMU iGPU Stutter Mode PMU System Stutter Mode PMU LMM Mode Dynamic FPCI Clock |
| PnP Configuration | Enter the PnP Configuration menu. | ▶PCI Device, Slot #1 ▶PCI/PNP ISA UMB Region Exclusion ▶PCI/PNP ISA IRQ Resource Exclusion |
| IDE Configuration | Enter the IDE Configuration menu. | Large Disk Access Mode Local Bus IDE adapter ▶Primary Master ▶Primary Slave |
| iGPU - Chipset | Enter the iGPU - Chipset menu. | Integrated Graphic Video Memory Hybrid Graphics mGPU nPW MXM LVDS/TV MXM CRT/DVI |
| LCD Panel type | Select the correct LCD panel type for testing purposes. | N/A |

Security

The Security screen contains parameters that help safeguard and protect your computer from unauthorized use.



The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

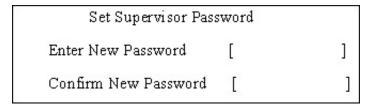
| Parameter | Description | Option |
|---------------------------------|--|-------------------------------|
| Supervisor Password Is | Shows the setting of the Supervisor password | Clear or Set |
| User Password Is | Shows the setting of the user password. | Clear or Set |
| SATA Port 0 Disk Status | Shows the setting of the hard disk password. | Clear or Set |
| Set Supervisor Password | Press Enter to set the supervisor password. When set, this password protects the BIOS Setup Utility from unauthorized access. The user can not either enter the Setup menu nor change the value of parameters. | N/A |
| Set User Password | Press Enter to set the user password. When user password is set, this password protects the BIOS Setup Utility from unauthorized access. The user can enter Setup menu only and does not have right to change the value of parameters. | N/A |
| Set SATA Port 0 HDD Password | Enter HDD Password. | N/A |
| Password on boot | Defines whether a password is required or not while the events defined in this group happened. The following sub-options are all requires the Supervisor password for changes and should be grayed out if the user password was used to enter setup. | Disabled or Enabled |

NOTE: When you are prompted to enter a password, you have three tries before the system halts. Don't forget your password. If you forget your password, you may have to return your notebook computer to your dealer to reset it.

Setting a Password

Follow these steps as you set the user or the supervisor password:

 Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the Enter key. The Set Supervisor Password box appears:



2. Type a password in the "Enter New Password" field. The password length can not exceeds 8 alphanumeric characters (A-Z, a-z, 0-9, not case sensitive). Retype the password in the "Confirm New Password" field.

IMPORTANT:Be very careful when typing your password because the characters do not appear on the screen.

- 3. Press Enter. After setting the password, the computer sets the User Password parameter to "Set".
- 4. If desired, you can opt to enable the Password on boot parameter.
- 5. When you are done, press F10 to save the changes and exit the BIOS Setup Utility.

Removing a Password

Follow these steps:

1. Use the w and y keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Password box appears:

| Set Supervisor Passwo | ord | - |
|------------------------|-----|---|
| Enter current password |] |] |
| Enter New Password | [|] |
| Confirm New Password | [|] |

- 2. Type the current password in the Enter Current Password field and press Enter.
- 3. Press e twice without typing anything in the Enter New Password and Confirm New Password fields. The computer then sets the Supervisor Password parameter to "Clear".
- 4. When you have changed the settings, press u to save the changes and exit the BIOS Setup Utility.

Changing a Password

 Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the Enter key. The Set Password box appears.

| Set Supervisor Passwo | rd | |
|------------------------|----|---|
| Enter current password | [|] |
| Enter New Password | [|] |
| Confirm New Password | [|] |

- 2. Type the current password in the Enter Current Password field and press Enter.
- 3. Type a password in the Enter New Password field. Retype the password in the Confirm New Password field.
- 4. Press Enter. After setting the password, the computer sets the User Password parameter to "Set".
- 5. If desired, you can enable the Password on boot parameter.
- 6. When you are done, press F10 to save the changes and exit the BIOS Setup Utility.

If the verification is OK, the screen will display as following.

Setup Notice Changes have been saved. [continue]

The password setting is complete after the user presses **Enter**.

If the current password entered does not match the actual current password, the screen will show you the Setup Warning.

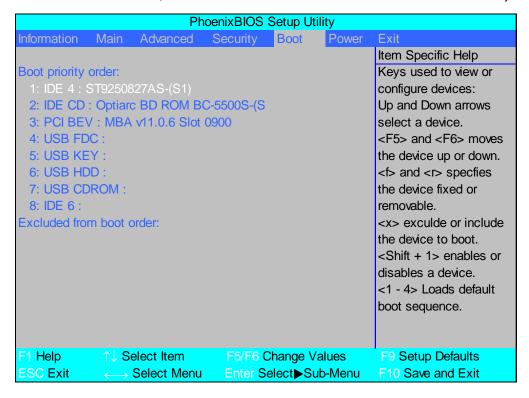
Setup Warning Invalid password Re-enter Password [continue]

If the new password and confirm new password strings do not match, the screen will display the following message.

Setup Warning Password do not match Re-enter Password

Boot

This menu allows the user to decide the order of boot devices to load the operating system. Bootable devices includes the USB diskette drives, the onboard hard disk drive and the DVD drive in the module bay.



Power

The Power screen allows the user to configure various CPU and power management options and device wakeup behavior.

| PhoenixBIOS Setup Utility | | | |
|---------------------------|---------------------------|-----------------------|--|
| Information Main Advanced | Security Boot Power | Exit | |
| | | Item Specific Help | |
| C1E Configuration | [Auto] | Enable or Disable | |
| CPU Throttle: | [Disabled] | C1E Dual-Core related | |
| CPU Spread Spectrum: | [Enabled] | CPU power State. | |
| iGPU Spread Spectrum: | [3.00% Triangular Centre] | | |
| PCIE Spread Spectrum: | [Disabled] | Auto enables C1E | |
| SATA Spread Spectrum: | [Linear Down] | if dual core is | |
| PState Configuration | [Enabled] | detected and disables | |
| USB CSC Resume | [Disabled] | C1E if single core | |
| DIPM | [Disabled] | is detected. | |
| HIPM | [Disabled] | | |
| SATA FPCI Clock: | [133Mhz] | | |
| SATA Low Power | [SALP OFF] | | |
| PCI Clocks: | [Enabled] | | |
| AltVid | [Disabled] | | |
| ASPM (L0s/L1s) | [Disabled] | | |
| PCIE Lane Swizzle: | [Disabled] | | |
| | | | |
| | | | |
| F1 Help ↑↓ Select Item | F5/F6 Change Values | F9 Setup Defaults | |
| ESC Exit ←→ Select Menu | Enter Select▶Sub-Menu | F10 Save and Exit | |

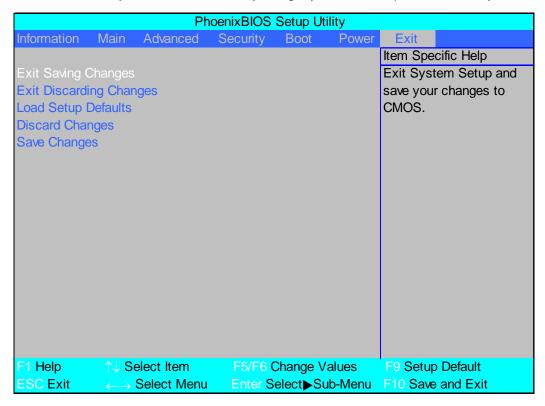
The table below describes the items, menus, and submenus in this screen. Settings in **boldface** are the default and suggested parameter settings.

| Parameter | Description | Option |
|-------------------------|---|---|
| C1E Configuration | Enable or Disable C1E Dual-Core related CPU power State. | Auto, Griffin Mode or Disabled |
| CPU Throttle | Enable or disable CPU Throttle. | Disabled or Enabled |
| CPU Spread Spectrum | Enable or disable CPU Spread Spectrum. | Disabled or Enabled |
| iGPU Spread Spectrum | Set the iGPU Spread Spectrum percentage. | 1.00%, 2.00%, 3.00% , 4.00%, 5.00% or Disabled |
| PCIE Spread Spectrum | Enable or disable PCIE Spread Spectrum. | Disabled or Enabled |
| SATA Spread Spectrum | Enable or disable SATA Spread Spectrum. | Linear Down or Disabled |
| PState Configuration | Enable or disable ACPI PState Support | Enabled or Disabled |
| USB CSC Resume | Enable or disable wake up from S3 by USB plug or unplug. | Disabled or Enabled |
| Cannot_Find_String | Enable or disable the Cannot_Find_String message during boot. | Disabled or Enabled |
| HIPM | Enable or disable Aggressive Link Power Management (HIPM). | Disabled or Enabled |
| SATA FPCI Clock | Set the SATA low power control level. | 133 MHz or 200 MHz |
| SATA Low Power | Set SATA low power control type. | SALP Off, Partial on, Slumber on or SALP On |

| Parameter | Description | Option |
|-------------------|---|---------------------|
| PCI Clocks | Enable all PCI clocks or lock down all PCI clocks to Port 80. | Enabled or Auto |
| AltVid | Enable or disable AltVid functionality. | Disabled or Enabled |
| ASPM (L0s/L1s) | Enable or disable Active State Power Management (ASPM) states for L0s and L1. | Disabled or Enabled |
| PCIE Lane Swizzle | Enable or disable PCIE Lane Swizzle for PCIE x 16 slot. | Disabled or Enabled |

Exit

The Exit screen allows you to save or discard any changes you made and quit the BIOS Utility.



The table below describes the parameters in this screen.

| Parameter | Description |
|----------------------------|---|
| Exit Saving Changes | Exit System Setup and save your changes to CMOS. |
| Exit Discarding Changes | Exit utility without saving setup data to CMOS. |
| Load Setup Default | Load default values for all SETUP item. |
| Discard Changes | Load previous values from CMOS for all SETUP items. |
| Save Changes | Save Setup Data to CMOS. |

BIOS Flash Utility

The BIOS flash memory update is required for the following conditions:

- New versions of system programs
- New features or options
- Restore a BIOS when it becomes corrupted.

Use the Phlash utility to update the system BIOS flash ROM.

NOTE: If you do not have a crisis recovery diskette at hand, then you should create a **Crisis Recovery Diskette** before you use the Phlash utility.

NOTE: Do not install memory-related drivers (XMS, EMS, DPMI) when you use the Phlash.

NOTE: Please use the AC adaptor power supply when you run the Phlash utility. If the battery pack does not contain enough power to finish BIOS flash, you may not boot the system because the BIOS is not completely loaded.

Fellow the steps below to run the Phlash.

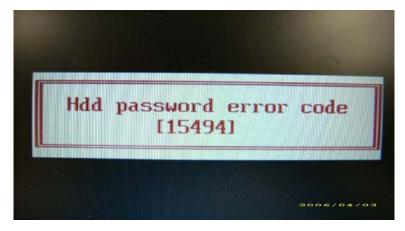
- 1. Prepare a bootable diskette.
- 2. Copy the flash utilities to the bootable diskette.
- 3. Then boot the system from the bootable diskette. The flash utility has auto-execution function.

Remove HDD/BIOS Utility

This section provide you with removing HDD/BIOS method:

Remove HDD Password:

If you key in the wrong HDD password three times, HDD password error code displays. See the image below.



To reset the HDD password, run HDD_PW.EXE as follows:

- 1. Key in hdd_pw 15494 0
- 2. Press 2.
- 3. Select one upper-case string from the list.

```
F:\cd password

F:\password

F:\password

Index of the password

F:\password

Index of the password

Index of the password the password to be generated:

Index of the password the password to be generated:

Index of the password the password to be generated:

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```

4. Reboot system and key in the selected string (0KJFN42 or UVEIQ96) on the HDD User Password screen.



Remove BIOS Password:

If you key in the wrong Supervisor Password three times, System Disabled displays on the screen. See the image below.



To reset the BIOS password, run BIOS_PW.EXE as follows:

- 1. Key in bios_pw 14452 0
- 2. Select one string from the list.

3. Reboot the system and key in the selected string (qjjg9vy, 07yqmjd etc.) for the BIOS user password.



Machine Disassembly and Replacement

This chapter contains step-by-step procedures on how to disassemble the notebook computer for maintenance and troubleshooting.

Disassembly Requirements

To disassemble the computer, you need the following tools:

- · Wrist grounding strap and conductive mat for preventing electrostatic discharge
- Flat screwdriver
- Philips screwdriver
- Plastic flat screwdriver
- Plastic tweezers

NOTE: The screws for the different components vary in size. During the disassembly process, group the screws with the corresponding components to avoid mismatch when putting back the components.

General Information

Pre-disassembly Instructions

Before proceeding with the disassembly procedure, make sure that you do the following:

- 1. Turn off the power to the system and all peripherals.
- 2. Unplug the AC adapter and all power and signal cables from the system.



- 3. Place the system on a flat, stable surface.
- 4. Remove the battery pack.

Disassembly Process

The disassembly process is divided into the following stages:

- External module disassembly
- Main unit disassembly
- · LCD module disassembly

The flowcharts provided in the succeeding disassembly sections illustrate the entire disassembly sequence. Observe the order of the sequence to avoid damage to any of the hardware components. For example, if you want to remove the main board, you must first remove the keyboard, then disassemble the inside assembly frame in that order.

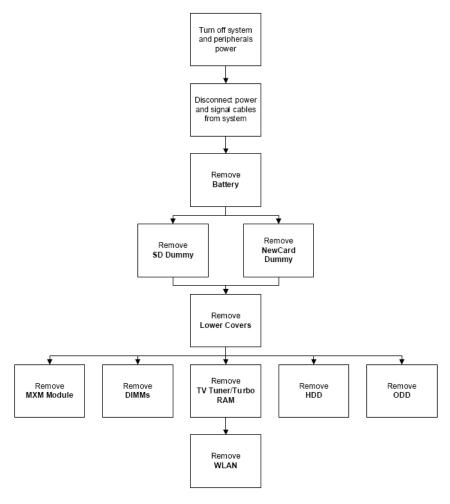
Main Screw List

| Screw | Quantity | Part No. |
|------------|----------|--------------|
| M2.5*6.5 | 40 | 86.ARE07.001 |
| M2*3 | 37 | 86.ARE07.002 |
| M2.5*3 | 13 | 86.T25V7.012 |
| M3*0.5+3.5 | 4 | 86.A03V7.011 |
| M2*2.5 | 2 | 86.A03V7.007 |

External Module Disassembly Process

External Modules Disassembly Flowchart

The flowchart below gives you a graphic representation on the entire disassembly sequence and instructs you on the components that need to be removed during servicing. For example, if you want to remove the main board, you must first remove the keyboard, then disassemble the inside assembly frame in that order.



Screw List

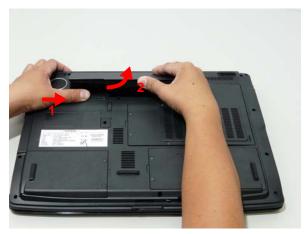
| Step | Screw | Quantity | Part No. |
|-----------------|------------|----------|--------------|
| MXM Module | M2.5*9 | 4 | N/A |
| TV Tuner Module | M2*3 | 2 | 86.ARE07.002 |
| WLAN Module | M2*3 | 2 | 86.ARE07.002 |
| HDD Module | M2*3 | 2 | 86.ARE07.002 |
| HDD Carrier | M3*0.5+3.5 | 4 | 86.A03V7.011 |
| ODD Bracket | M2*2.5 | 2 | 86.A03V7.007 |

Removing the Battery Pack

- 1. Turn computer over.
- 2. Slide the battery lock/unlock latch to the unlock position.



3. Slide and hold the battery release latch to the release position (1), then slide out the battery pack from the main unit (2).



Removing the SD dummy card

1. Push the SD dummy card all the way in to eject it.

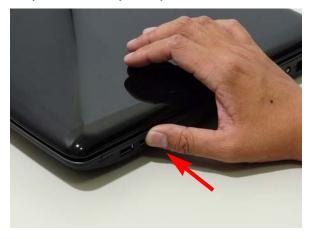


2. Pull it out from the slot.



Removing the ExpressCard dummy card

1. Push the ExpressCard dummy card all the way in to eject it.



2. Pull it out from the slot.



Removing the Lower Covers

- 1. See "Removing the Battery Pack" on page 48.
- 2. Loosen the ten captive screws from the Memory, HDD1, and HDD2 Covers.



3. Carefully open the memory cover.



4. Remove the HDD1 cover as shown.

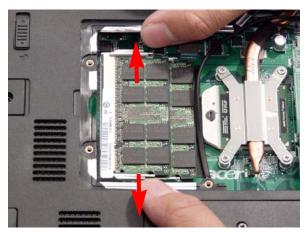


5. Remove the HDD2 cover as shown.

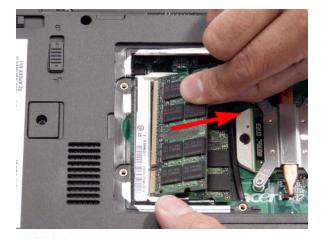


Removing the DIMM Modules

- 1. Remove the battery. See "Removing the Battery Pack" on page 48.
- 2. Remove the Memory Module cover. See "Removing the Lower Covers" on page 50.
- 3. Push out the release latches on both sides of the DIMM socket to release the DIMM module.



4. Remove the DIMM module.



5. Repeat steps for the second DIMM module.

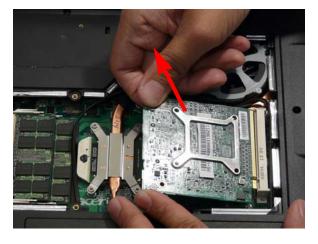
Removing the MXM Module

- 1. Remove the battery. See "Removing the Battery Pack" on page 48.
- 2. Remove the four securing screws.



| Step | Size | Quantity | Screw Type |
|------------|-------------|----------|------------|
| MXM Module | M2.5*9 (NL) | 4 | - |

3. Grasp the module and remove.



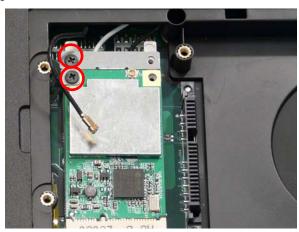
Removing the TV Tuner module

- 1. See "Removing the Battery Pack" on page 48.
- 2. Remove the HDD2 cover. See "Removing the Lower Covers" on page 50.
- 3. Disconnect the TV Tuner cable from the module.





4. Remove the two securing screws.



| Step | Size | Quantity | Screw Type |
|-----------------|-----------|----------|------------|
| Tv Tuner Module | M2*3 (NL) | 2 | 2 |

5. Remove the TV Tuner module.



NOTE: Some models come equipped with either a TV Tuner module or a Turbo RAM module.

6. Remove the bracket from the module.



Removing the WLAN Module

- 1. Remove the battery. See "Removing the Battery Pack" on page 48.
- 2. Remove the Tv Tuner module. See "Removing the TV Tuner module" on page 53.
- 3. Disconnect the antenna cables from the WLAN board.



NOTE: The following is the correct cable-color to connector designation: TR1 to Gray and TR2 to Black.

4. Move the cables to avoid damaging them, and remove the two securing screws to release the WLAN board.



| Step | Size | Quantity | Screw Type |
|-------------|------|----------|------------|
| WLAN Module | M2*3 | 2 | % |

5. Detach the WLAN board from the WLAN socket.



Removing the Hard Disk Drive Module

- 1. Remove the Battery Pack. See "Removing the Battery Pack" on page 48.
- 2. Remove the HDD1 cover. See "Removing the Lower Covers" on page 50.
- 3. Remove the two securing screws.



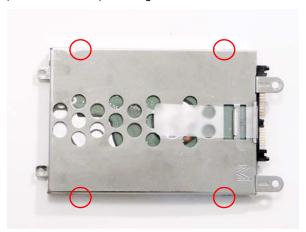
| Step | Size | Quantity | Screw Type |
|------|------|----------|------------|
| HDD | M2*3 | 2 | 2 |

4. Use the pull-tab to lift up the HDD module to remove.



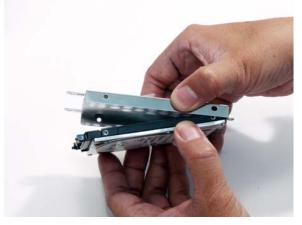
NOTE: To prevent damage to device, avoid pressing down on it or placing heavy objects on top of it.

5. Remove the four screws (two on each side) securing the HDD to the carrier.



| Step | Size | Quantity | Screw Type |
|-------------|------------|----------|------------|
| HDD Carrier | M3*0.5+3.5 | 4 | 8 Danie |

6. Turn the HDD module upside down, and lift the HDD carrier up.



7. Remove the connector from the HDD.

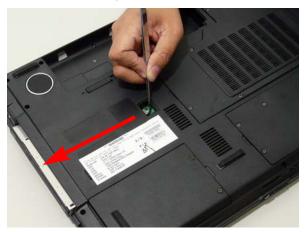


Removing the Optical Drive Module

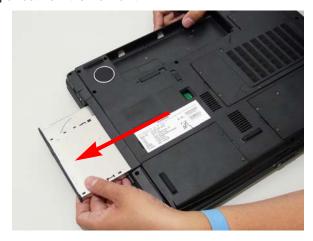
- 1. Remove the Battery Pack. See "Removing the Battery Pack" on page 48.
- 2. Loosen the captive screw securing the ODD module and remove the ODD cap.



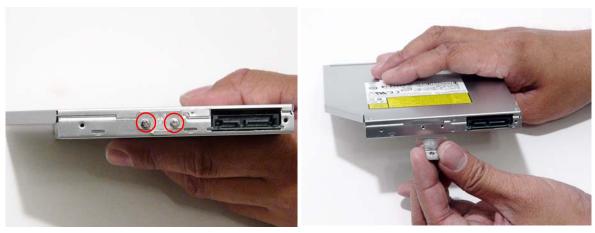
3. Carefully use a screwdriver to push the locking catch and remove the ODD module.



4. Grasp the module and pull out from the main unit.



5. Remove the two screws securing the ODD bracket and remove the ODD bracket from the optical disk drive module.

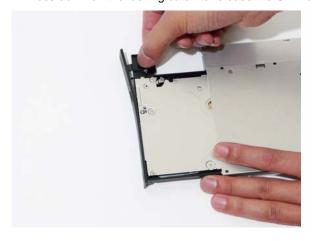


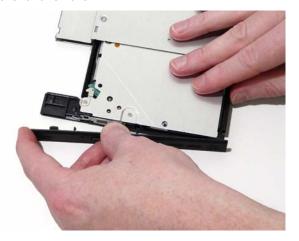
| Step | Size | Quantity | Screw Type |
|-------------|--------|----------|------------|
| ODD Bracket | M2*2.5 | 2 | A |

6. Insert a pin in the eject hole of the ODD to eject the ODD tray.



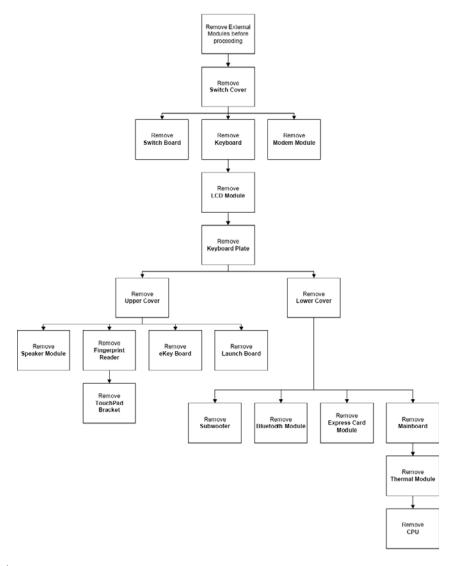
7. Press down on the locking catch to release the ODD cover and remove.





Main Unit Disassembly Process

Main Unit Disassembly Flowchart



Screw List

| Step | Screw | Quantity | Part No. |
|-------------------|----------|----------|--------------|
| Switch Cover | M2.5*3 | 4 | 86.T25V7.012 |
| | M2.5*6.5 | 5 | 86.ARE07.001 |
| Switch Board | M2*3 | 2 | 86.ARE07.002 |
| Modem Module | M2*3 | 2 | 86.ARE07.002 |
| LCD Module | M2.5*6.5 | 2 | 86.ARE07.001 |
| | M2.5*6.5 | 4 | 86.ARE07.001 |
| | M2.5*3 | 1 | 86.T25V7.012 |
| Upper Cover | M2.5*6.5 | 11 | 86.ARE07.001 |
| | M2*3 | 1 | 86.ARE07.002 |
| | M2.5*3 | 4 | 86.T25V7.012 |
| Touch Pad Bracket | M2*3 | 4 | 86.ARE07.002 |

| Step | Screw | Quantity | Part No. |
|-----------------------|----------|----------|--------------|
| Launch Board | M2*3 | 4 | 86.ARE07.002 |
| Speaker | M2.5*6.5 | 4 | 86.ARE07.001 |
| eKey Board | M2*3 | 2 | 86.ARE07.002 |
| Bluetooth Board | M2*3 | 1 | 86.ARE07.002 |
| Subwoofer | M2.5*3 | 4 | 86.T25V7.012 |
| ExpressCard Module | M2*3 | 2 | 86.ARE07.002 |
| Mainboard | M2.5*6.5 | 1 | 86.ARE07.001 |
| CPU Fan | M2.5*6.5 | 1 | 86.ARE07.001 |

Removing the Switch Cover

CAUTION: Using tools to remove the Switch Cover may cause damage to the outer casing. It is recommended that only fingers are used to remove the Switch Cover.

- 1. Remove the Battery Pack. See "Removing the Battery Pack" on page 48.
- 2. Locate and remove the nine securing screws as shown.



| Step | Size | Quantity | Screw Type |
|--------------|-------------------------|----------|------------|
| Switch Cover | M2.5*3 Blue Callout | 4 | 9 |
| Switch Cover | M2.5*6.5 Red Callout | 5 | |

- 3. Turn the computer over and open the LCD module fully to expose the Switch Cover.
- 4. Lift the Switch Cover up and away.



Removing the Switch Board

- 1. Remove the Switch Cover. See "Removing the Switch Cover" on page 62.
- 2. Lift the locking lever and remove the FFC cable on the left as shown.



3. Disconnect both cables on the right as shown.



4. Remove the two securing screws from the Switch Board and lift the board clear.



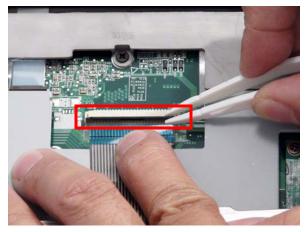
| Step | Size | Quantity | Screw Type |
|--------------|-----------|----------|------------|
| Switch Board | M2*3 (NL) | 2 | <i>b</i> |

Removing the Keyboard

- 1. Remove the Switch Cover. See "Removing the Switch Cover" on page 62.
- 2. Grasp the keyboard and turn it over to expose the FFC cable.



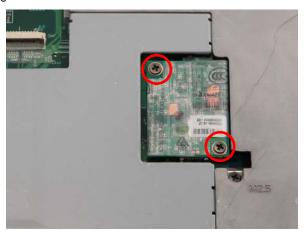
3. Lift up the locking lever and remove the FFC cable.



4. Remove the keyboard and place it on a clean surface.

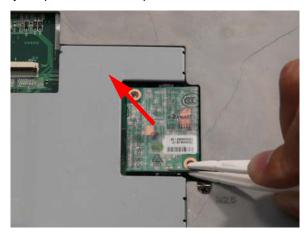
Removing the Modem Module

- 1. Remove the Keyboard. See "Removing the Keyboard" on page 64.
- 2. Remove the two securing screws.

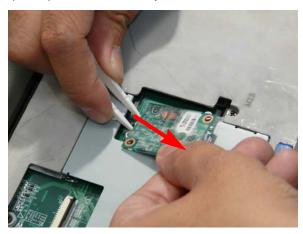


| Step | Size | Quantity | Screw Type |
|--------------|-----------|----------|------------|
| Modem Module | M2*3 (NL) | 2 | 2 |

3. Using a plastic pry, partially lift up the module to expose the connector.



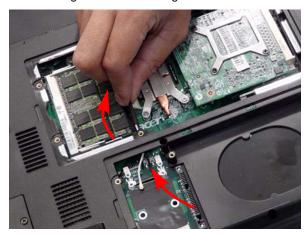
4. While holding the cable in place, pull the module away and remove.



Removing the Antenna, MIC and Speaker Cables

IMPORTANT:Ensure the Antenna Cables are free of any obstructions before attempting to fully remove them from the lower base.

- 1. Remove the WLAN Module. See "Removing the WLAN Module" on page 54.
- 2. Remove the memory cover. See "Removing the Lower Covers" on page 50.
- 3. Remove the Keyboard. See "Removing the Keyboard" on page 64.
- 4. Gently pull the Antenna Cables through the HDD housing.



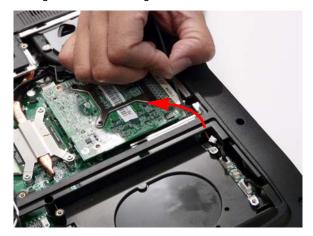
5. Disconnect the MIC and speaker cables.

IMPORTANT: Use tweezers to remove the cable connectors. Do not pull on the cable itself to prevent stripping.



NOTE: If you are only removing the LCD module, disconnect the MIC cable; otherwise, disconnect all three cables at this time to disassemble the upper and lower bases.

6. Gently pull the MIC cable through the HDD housing.



7. Turn the computer on its side, and feed the cables through to the upperside.



8. Pull the cables completely through.



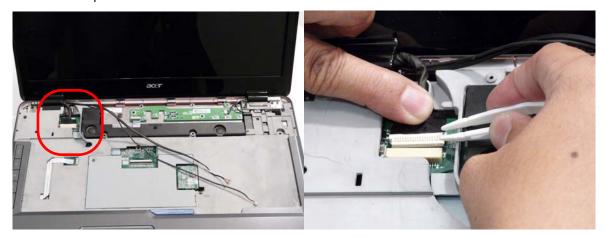
Removing the LCD Module

- 1. Remove the Memory Cover. See "Removing the Lower Covers" on page 50.
- 2. Remove the WLAN Module. See "Removing the WLAN Module" on page 54.
- **3.** Disconnect the Antenna, MIC and Speaker cables. See "Removing the Antenna, MIC and Speaker Cables" on page 66.
- 4. Remove the two securing screws from the bottom of the chassis.

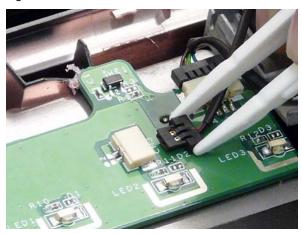


| Step | Size | Quantity | Screw Type |
|------------|----------|----------|------------|
| LCD Module | M2.5*6.5 | 2 | |

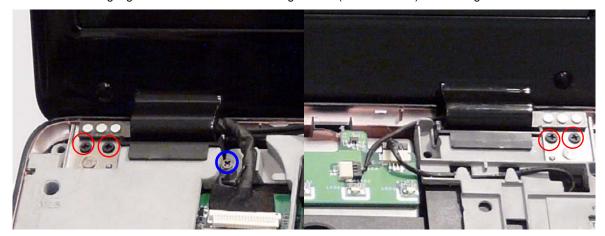
5. Turn the computer over. Use the tweezers to disconnect the LCD interface cable from the chassis.



6. Disconnect the LCD back light cable as shown.

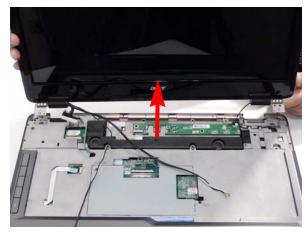


7. Remove the single ground screw and four securing screws (two each side) connecting the LCD module.



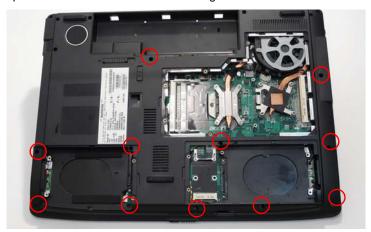
| Step | Size | Quantity | Screw Type |
|------------|------------------------------|----------|------------|
| LCD Module | M2.5*6.5 (NL) Red Callout | 4 | - |
| Ground | M2.5*3 (NL) Blue Callout | 1 | 9 |

8. Carefully remove the LCD module from the chassis.



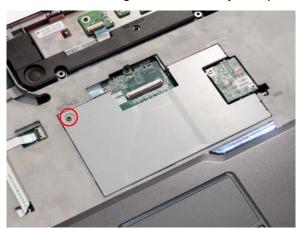
Removing the Upper Cover

- 1. See "Removing the LCD Module" on page 68.
- 2. Place the computer upside down and remove the remaining eleven screws on the bottom panel.



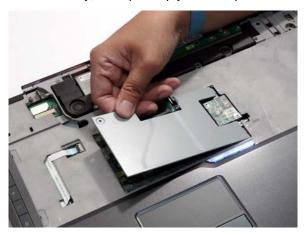
| Step | Size | Quantity | Screw Type |
|-------------|----------|----------|------------|
| Upper Cover | M2.5*6.5 | 11 | 9 |

3. Turn the computer over and remove the securing screw from the keyboard plate.

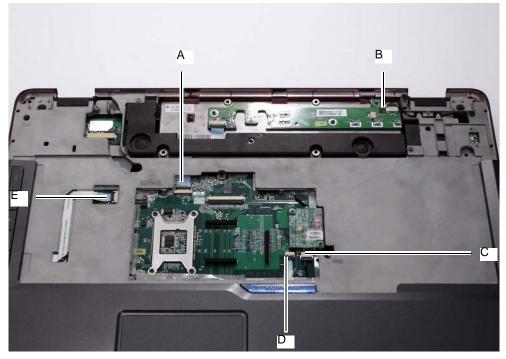


| Step | Size | Quantity | Screw Type |
|-----------|------|----------|------------|
| DDR Plate | M2*3 | 1 | 2 |

4. Remove the keyboard plate. If necessary, use a plastic pry to lift the plate.

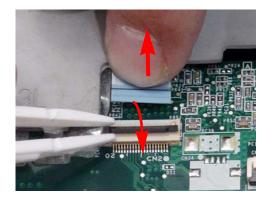


5. Disconnect the five cables from the mainboard as shown.

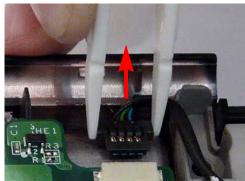


IMPORTANT:When removing cables, always hold the cable by the pull-tab or by the connector. Do not pull the cable itself to prevent stripping.

Disconnect A as shown.



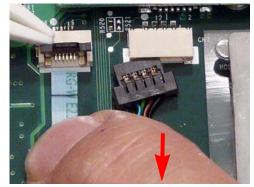
Release the securing latches and disconnect B as shown.



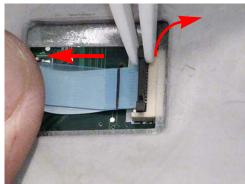
Release the securing latches and disconnect C as shown.



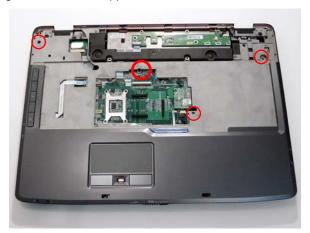
Release the securing latches and disconnect $\ensuremath{\mathsf{D}}$ as shown.



Release the securing latches and disconnect E as shown.

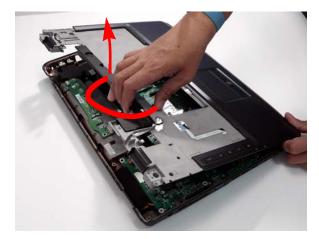


6. Remove the four securing screws from the upper cover.

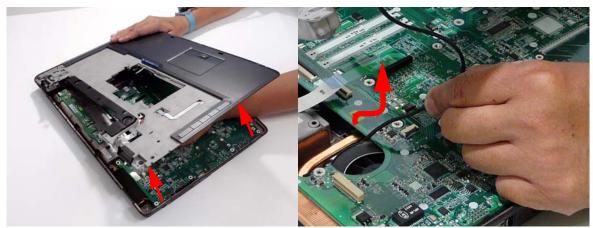


| Step | Size | Quantity | Screw Type |
|-------------|--------|----------|------------|
| Upper Cover | M2.5*3 | 4 | 9 |

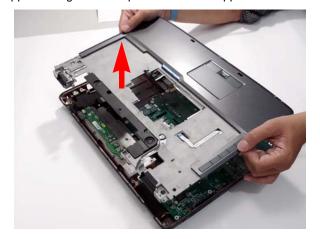
7. Grasp the Upper Cover by the hinge socket and pry it open. Do not lift the cover completely off. **NOTE:** Do not try to pry open more than one edge at a time.



8. While holding the cover open, pull through any remaining cables.

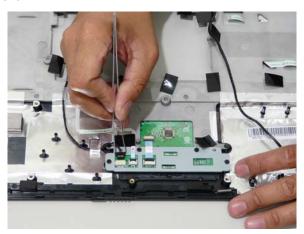


9. Grasp the cover by the opposite edge and lift up to remove the Upper Cover.

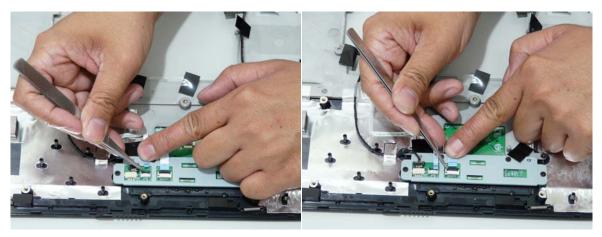


Removing the Finger Print Reader

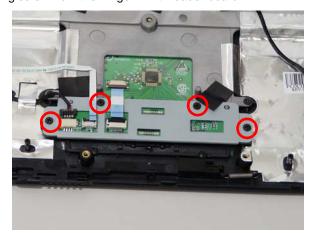
- 1. Remove the Upper Cover. See "Removing the Upper Cover" on page 70.
- 2. Disconnect the cable as shown.



3. Disconnect the two FFC cables as shown.

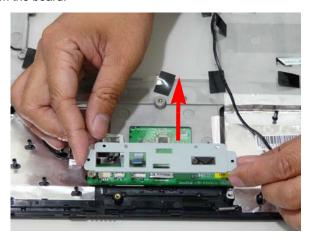


4. Remove the four securing screw from the Finger Print Reader board.

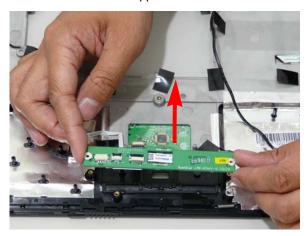


| Step | Size | Quantity | Screw Type |
|------------------------|------|----------|------------|
| Finger Print Reader | M2*3 | 4 | % |

5. Remove the bracket from the board.

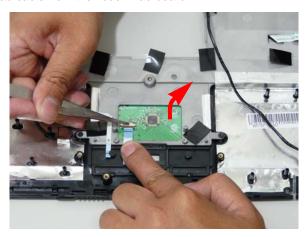


6. Remove the Finger Print Reader board from the Upper Cover.



Removing the Touch Pad

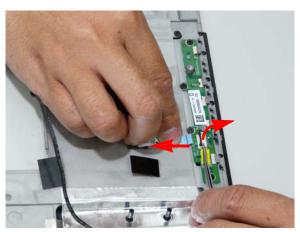
- 1. Remove the Upper Cover. See "Removing the Upper Cover" on page 70.
- 2. Disconnect the Touch Pad cable from the Touch Pad board.



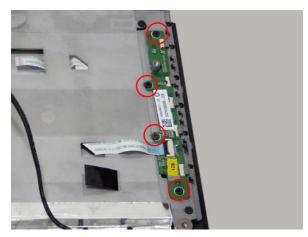
IMPORTANT:The Touch Pad cannot be removed individually. To replace the Touch Pad, replace the entire Upper Cover.

Removing the Launch Board

- 1. Remove the Upper Cover. See "Removing the Upper Cover" on page 70.
- 2. Lift up the locking latch and remove the FFC cable as shown.

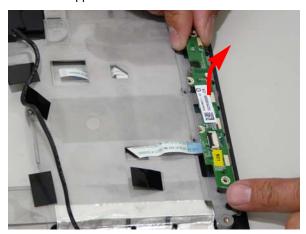


3. Remove the four screws from the Launch Board.



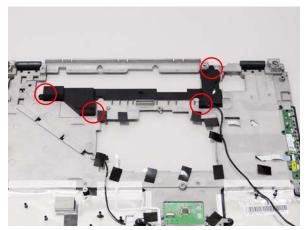
| Step | Size | Quantity | Screw Type |
|--------------|------|----------|------------|
| Launch Board | M2*3 | 4 | 2 |

4. Remove the Launch Board from the Upper Cover.



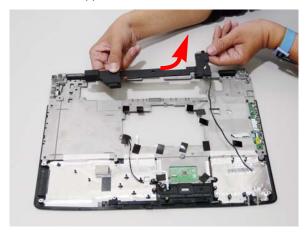
Removing the Speaker Module

- 1. Remove the Upper Cover. See "Removing the Upper Cover" on page 70.
- 2. Remove four securing screws connecting the Speaker Module.



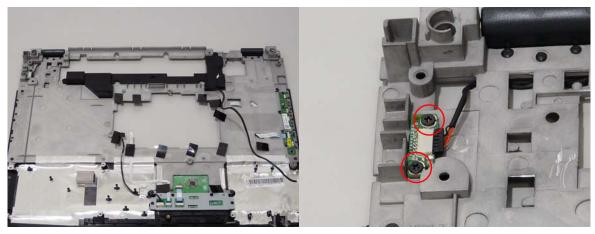
| Step | Size | Quantity | Screw Type |
|----------------|------|----------|------------|
| Speaker Module | M2*6 | 4 | |

3. Remove the Speaker Module from the upper cover.



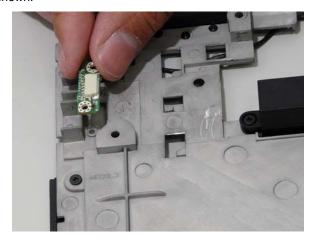
Removing the eKey Board

- 1. Remove the Upper Cover. See "Removing the Upper Cover" on page 70.
- 2. Turn the Upper Cover upside down and remove the two securing screws connecting the eKey board.
- 3. Disconnect the eKey Board cable.



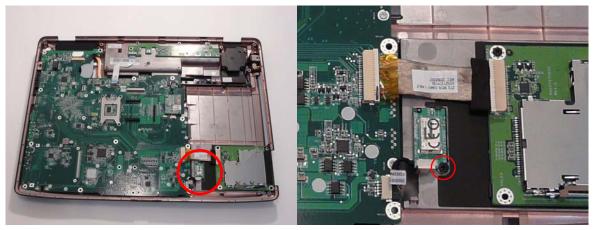
| Step | Size | Quantity | Screw Type |
|------------|------|----------|------------|
| eKey Board | M2*3 | 2 | |

4. Remove the board as shown.



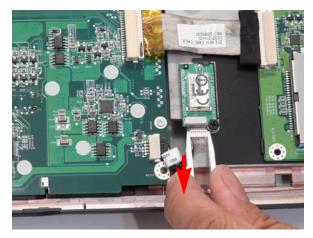
Removing the Bluetooth board

- 1. Remove the Upper Cover. See "Removing the Upper Cover" on page 70.
- 2. Remove the securing screw from the Bluetooth board.

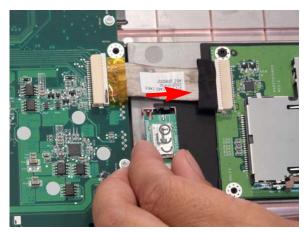


| Step | Size | Quantity | Screw Type |
|-----------------|------|----------|------------|
| Bluetooth Board | M2*3 | 1 | 2 |

3. Disconnect the mainboard to bluetooth cable as shown.

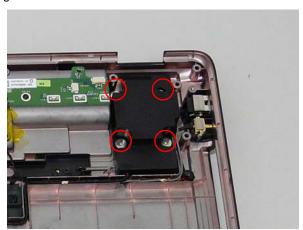


4. Disconnect the cable from the mainboard.



Removing the Subwoofer Module

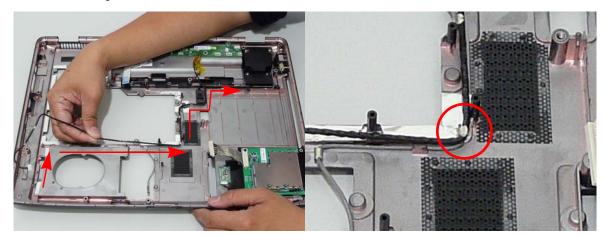
- 1. See "Removing the Upper Cover" on page 70.
- 2. Remove the four securing screws from the Subwoofer Module.



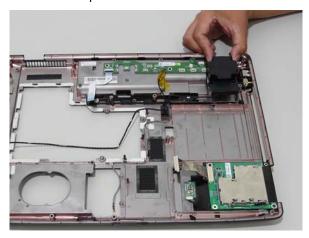
| Step | Size | Quantity | Screw Type |
|---------------------|--------|----------|------------|
| Subwoofer Module | M2.5*4 | 4 | 6) |

3. Grasp the cable by the end and guide it out of its housing as shown in the following images.

IMPORTANT: The housing guides are hooked to hold the cable in place. Do not pull the cable to remove it or damage can occur.



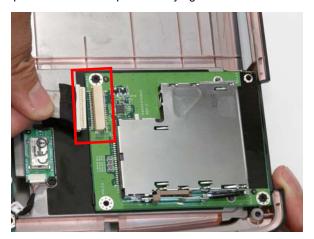
4. Grasp the Subwoofer Module and lift it up to remove.



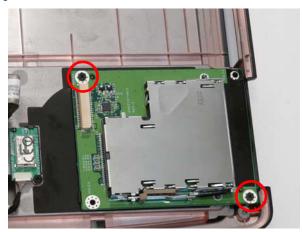
Removing the ExpressCard Module

- 1. See "Removing the Upper Cover" on page 70.
- 2. Disconnect the cable connecting the ExpressCard module.

IMPORTANT: Do not grasp the cable itself to prevent fraying.



3. Remove the two securing screws.



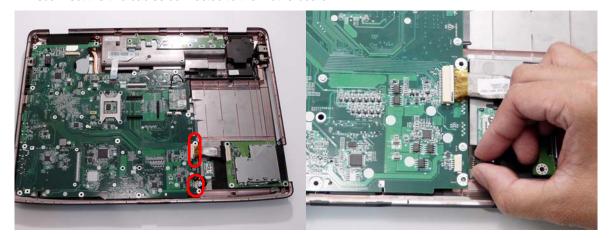
| Step | Size | Quantity | Screw Type |
|-----------------------|------|----------|------------|
| ExpressCard Module | M2*3 | 2 | 2 |

4. Lift the ExpressCard module away from the upper cover.



Removing the Mainboard

- 1. Remove the Upper Cover. See "Removing the Upper Cover" on page 70.
- 2. Disconnect the two cables connected to the motherboard.

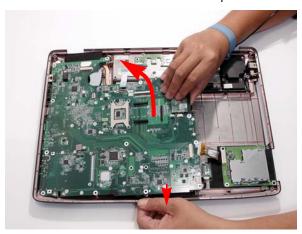


3. Remove the securing screw from the Mainboard.



| Step | Size | Quantity | Screw Type |
|-----------|----------|----------|------------|
| Mainboard | M2.5*6.5 | 1 | 1 |

4. Pull the edge of the lower base outward and lift the motherboard up to remove.



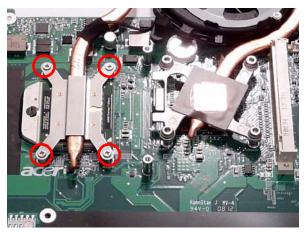
Removing the CPU Fan Module

- 1. See "Removing the Battery Pack" on page 48.
- 2. Remove the Mainboard. See "Removing the Mainboard" on page 85.
- 3. Turn the Mainboard right side up, and place it on a clean surface.
- 4. Using tweezers, grip the cable connector and disconnect the Fan cable from the Mainboard.

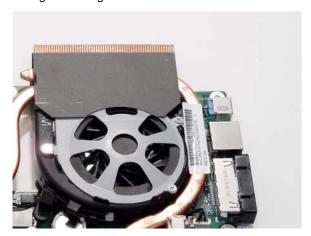
IMPORTANT:Do not grip the cable itself to prevent stripping.



5. Loosen the four captive screws from the heatsink.

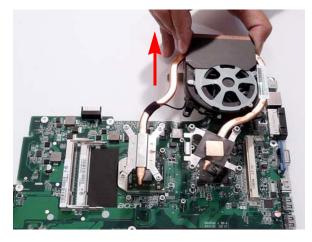


6. Lift the cover to expose the single securing screw. Remove the screw.



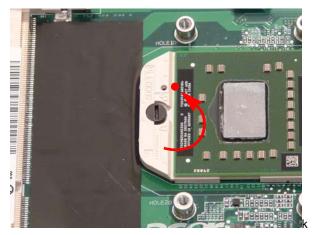
| Step | Size | Quantity | Screw Type |
|----------------|----------|----------|------------|
| CPU Fan Module | M2.5*6.5 | 1 | - |

7. Lift the Fan module clear of the Mainboard.



Removing the CPU

- 1. Remove the CPU Fan Module. See "Removing the CPU Fan Module" on page 86.
- 2. Using a flat screwdriver, turn the CPU socket latch clockwise 180° to release the CPU.

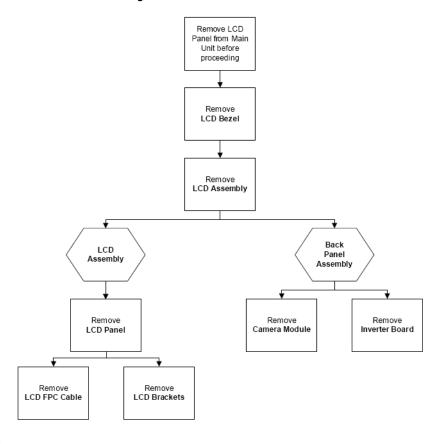


3. Lift the CPU clear of the Mainboard.



LCD Module Disassembly Process

LCD Module Disassembly Flowchart



Screw List

| Step | Screw | Quantity | Part No. |
|---------------|----------|----------|--------------|
| LCD Bezel | M2.5*6.5 | 6 | 86.ARE07.001 |
| Camera Module | M2*3 | 1 | 86.ARE07.002 |
| LCD Panel | M2.5*6.5 | 6 | 86.ARE07.001 |
| LCD Brackets | M2*3 | 8 | 86.ARE07.002 |

Removing the LCD Bezel

- 1. Remove the LCD Module. See "Removing the LCD Module" on page 68.
- 2. Remove the six rubber covers and screws.



| Step | Size | Quantity | Screw Type |
|-----------|----------|----------|------------|
| LCD Bezel | M2.5*6.5 | 6 | - |

3. Starting from the inside edges, pry the inside of the bezel upwards from the panel. Continue moving left until the bezel is removed. If necessary, use a plastic pry to release the corners of the bezel.



4. Lift up the bezel and remove it from the LCD Module.



Removing the Inverter Board

- 1. Remove the LCD Bezel. See "Removing the LCD Bezel" on page 90.
- 2. Disconnect the left and right Inverter board cables as shown.



3. Lift up the Inverter Board and remove.



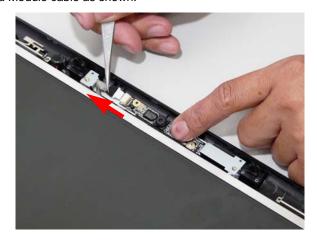
Removing the Camera Module

- 1. Remove the LCD Bezel. See "Removing the LCD Bezel" on page 90.
- 2. Remove the two securing screws from the Camera Module.



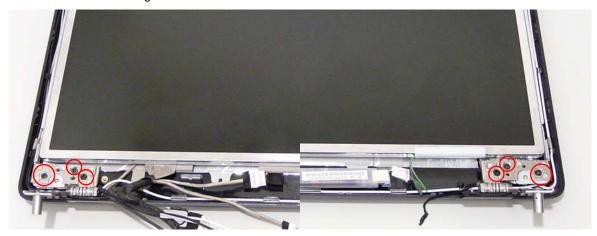
| Step | Size | Quantity | Screw Type |
|---------------|------|----------|------------|
| Camera Module | M2*3 | 1 | A |

3. Disconnect the Camera Module cable as shown.



Removing the LCD Panel

- 1. Remove the LCD Bezel. See "Removing the LCD Bezel" on page 90.
- 2. Remove the six securing screws from the LCD Module.

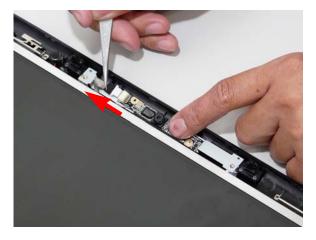


| Step | Size | Quantity | Screw Type |
|-----------|----------|----------|------------|
| LCD Panel | M2.5*6.5 | 6 | - |

3. Disconnect the left and right sides of the Inverter cable.



4. Disconnect the Camera Module cable as shown.

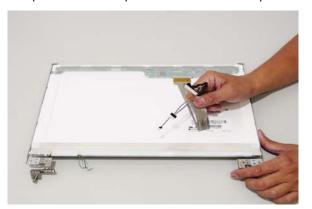


5. Grasp the panel by both ends and lift to remove.

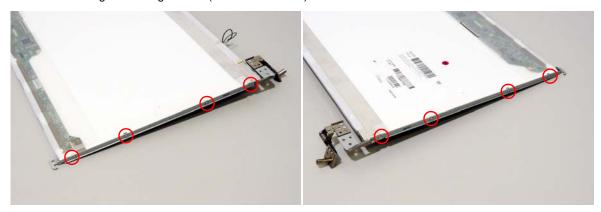


Removing the LCD Brackets and FPC Cable

- 1. Remove the LCD Panel. See "Removing the LCD Panel" on page 94.
- 2. Turn the LCD panel over to expose the rear. Grip the FPC cable and lift upward to detach the adhesive pads.



3. Remove the eight securing screws (four on each side) from the LCD Panel brackets.



| Step | Size | Quantity | Screw Type |
|--------------|------|----------|------------|
| LCD Brackets | M2*3 | 8 | |

4. Remove the LCD brackets by pulling away from the LCD Panel as shown.



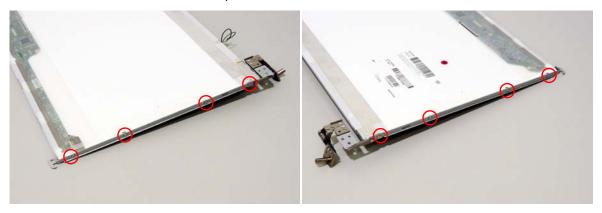
LCD Module Reassembly Procedure

Replacing the LCD Panel

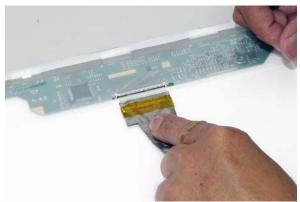
1. Align the LCD brackets with the eight screw holes (four on each side) on the LCD Panel as shown.



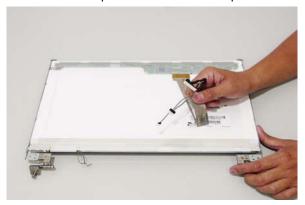
2. Secure the LCD brackets to the LCD panel.



3. Turn the panel over. Insert the LCD Panel cable into the LCD Panel as shown.



4. Align the LCD Panel cable as shown and press down to secure in place.



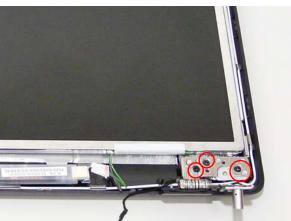
5. Take care to insert the top of the panel fist and then 6. Place the LCD Panel in the back cover. angle the it in place.



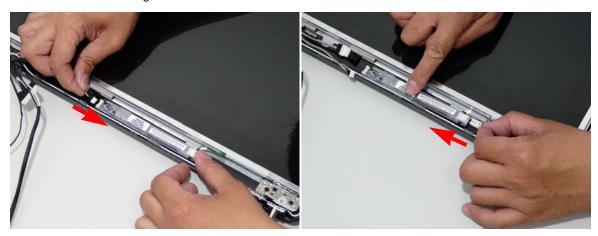


7. Secure the LCD module with the six securing screws.

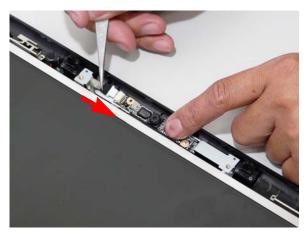




8. Connect the left and right Inverter cables.



9. Connect the camera cable.



Replacing the LCD Bezel

1. Starting from the bottom, locate the bezel correctly and press down the edges until there are no gaps between the bezel and the LCD Module,



2. Replace the six screws and the rubber screw caps provided.

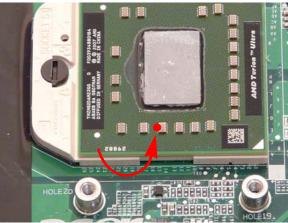


Main Module Reassembly Procedure

Replacing the CPU

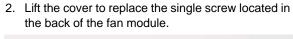
- Carefully turn the mainboard upside down (CPU side up), and insert the CPU into the CPU bracket as shown.
- 2. Using a plastic screw driver, lock the CPU in the socket as shown.

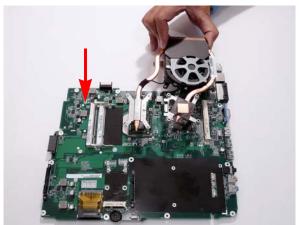


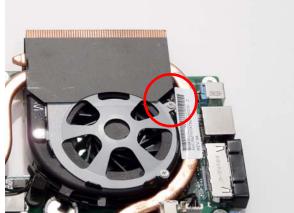


Replacing the CPU Fan Module

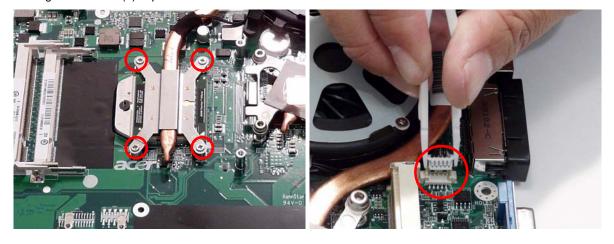
1. Replace the Fan module on the Mainboard.





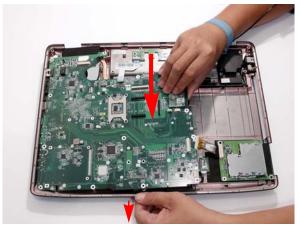


3. Tighten the four (4) captive screws on the heatsink. 4. Connect the Fan cable to the Mainboard.



Replacing the Mainboard

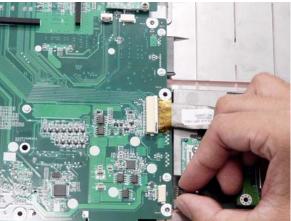
- 1. Pull the edge of the lower base outward and insert 2. Replace the securing screw on the Mainboard. the motherboard in the lower base.





3. Connect the two cables on the mainboard side.

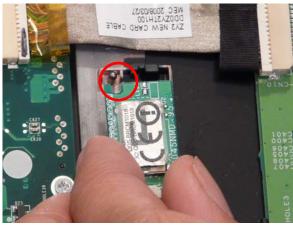


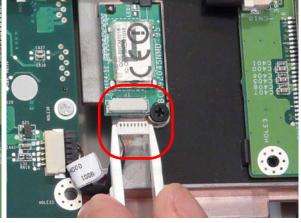


Replacing the Bluetooth Board

down to secure.

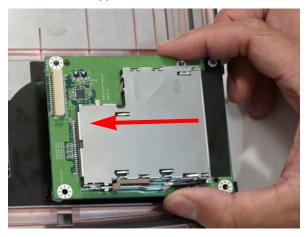






Replacing the ExpressCard Module

1. Replace the ExpressCard module on the upper cover.

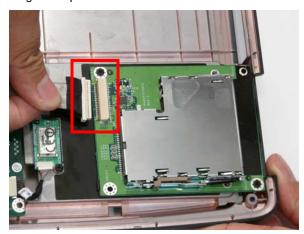


2. Replace the two securing screws.

IMPORTANT:The correct location of the ExpressCard Module screws is illustrated in the following image. Do not insert the screws in the remaining screw sockets. They are locations for upper cover screws.

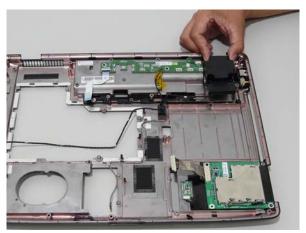


3. Connect the cable connecting the ExpressCard module.

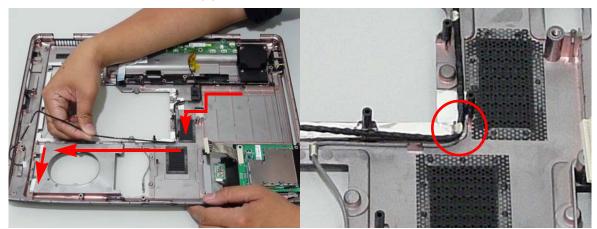


Replacing the Subwoofer Module

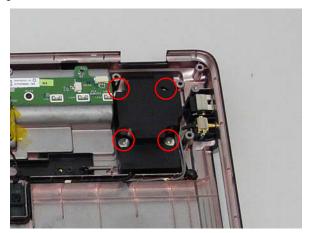
1. Grasp the Subwoofer Module and insert in the lower base.



2. Insert the cables under the housing guide as shown.

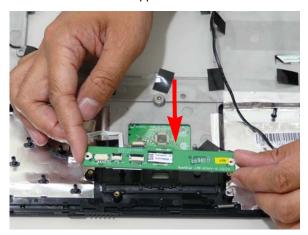


3. Replace the four securing screws on the Subwoofer Module.

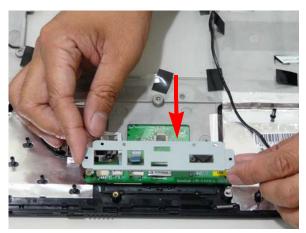


Replacing the Finger Print Reader

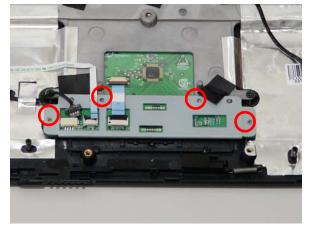
1. Remove the Finger Print Reader board from the Upper Cover.



2. Remove the bracket from the board.

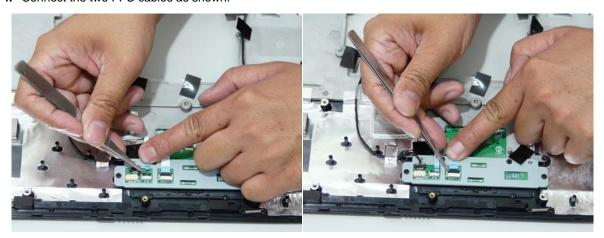


3. Replace the four securing screw on the Finger Print Reader board.

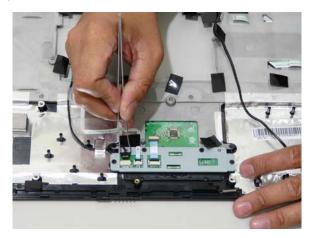


NOTE: Move back the cabling to allow for easier access to the screw sockets.

4. Connect the two FFC cables as shown.



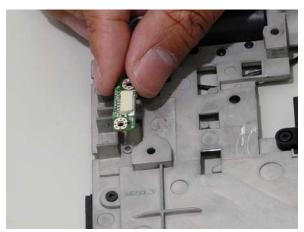
5. Connect the cable as shown.



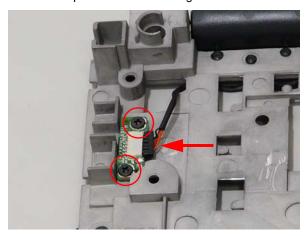
Replacing the eKey Board

IMPORTANT: Take note of the eKey button when installing. It must face down and the cable connector up in order to install the module correctly.

1. Locate and replace the board as shown.



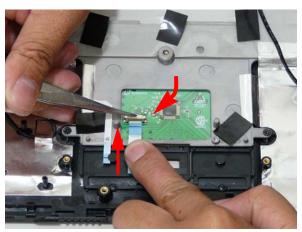
2. Connect the eKey Board cable and replace the two securing screws.



Replacing the Touch Pad

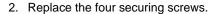
IMPORTANT:The Touch Pad cannot be removed individually. To replace the Touch Pad, replace the entire Upper Cover.

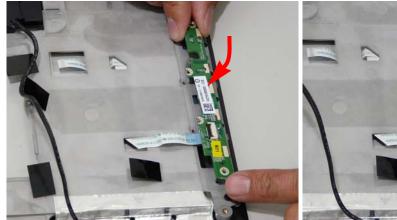
1. Connect the Touch Pad cable as shown

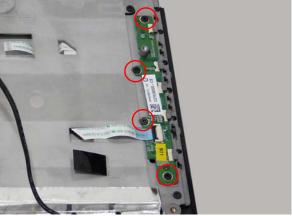


Replacing the Launch Board

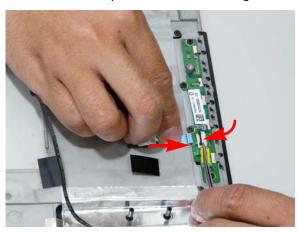
1. Replace the Launch Board on the upper cover.





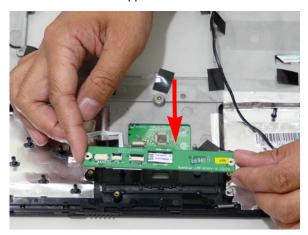


3. Insert the FFC flush with the connector and press down on the locking latch to secure.

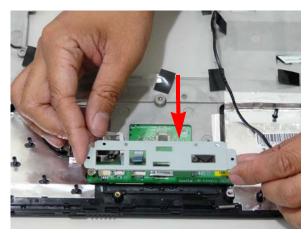


Replacing the Finger Print Reader

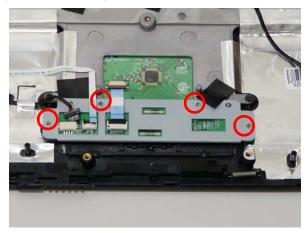
1. Replace the Finger Print Reader board on the Upper Cover.



2. Replace the bracket on the board.

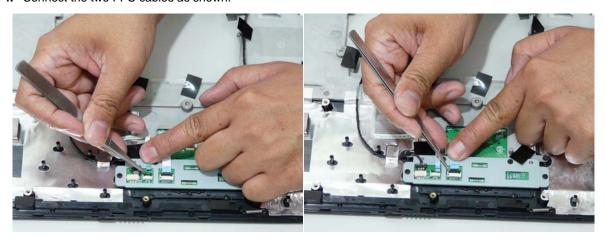


3. Replace the four securing screw on the Finger Print Reader board.

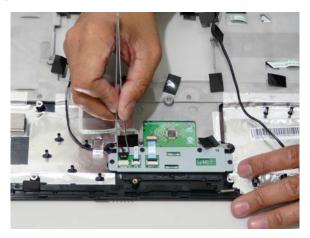


NOTE: Move back the cabling to allow for easier access to the screw sockets.

4. Connect the two FFC cables as shown.

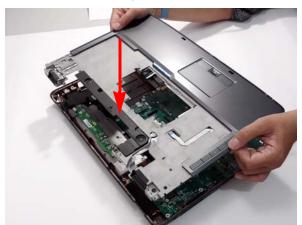


5. Connect the cable as shown.



Replacing the Upper Cover

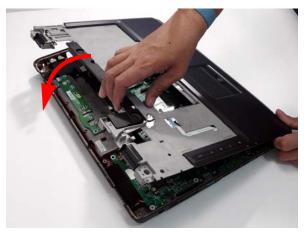
1. Locate the upper cover over the lower base taking note of the screw sockets.



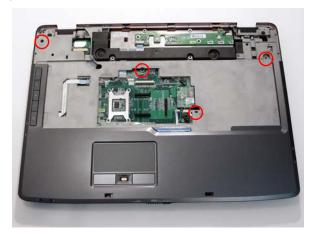
2. Angle the right end of the Upper Cover in place, and insert any remaining cables through the lower base as shown.



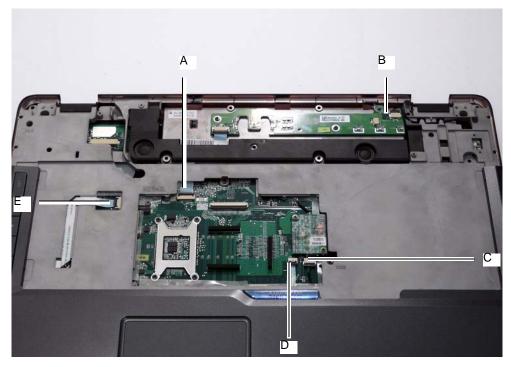
3. Set the Upper Cover down on the lower base.



4. Replace the four securing screws on the Upper Cover.

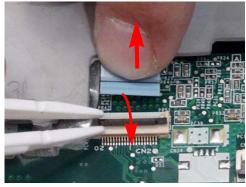


5. Connect the five cables to the mainboard as shown.



IMPORTANT:When replacing cables, always hold the cable by the pull-tab or by the connector. Do not hold the pull by the cable itself to prevent stripping.

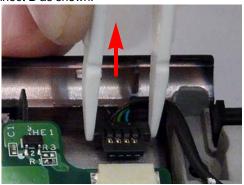
Connect A as shown.



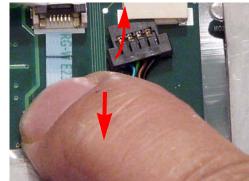
Connect C as shown.



Connect B as shown.

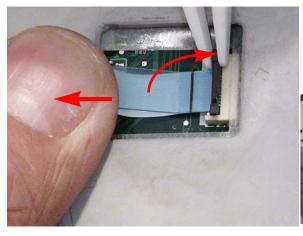


Connect D as shown.



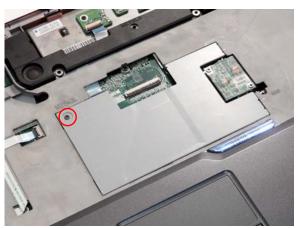
Connect E as shown.

6. Angle the keyboard plate and insert as shown.

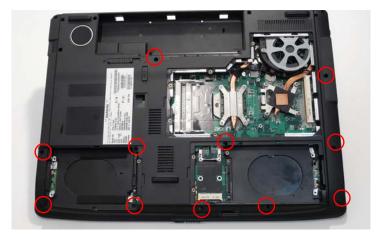




7. Replace the securing screw on the keyboard plate.

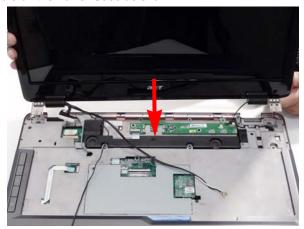


8. Turn the computer upside down and replace the eleven securing screws on the bottom panel to attach the bottom and lower covers.

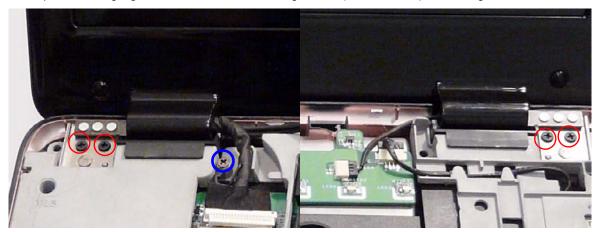


Replacing the LCD Module

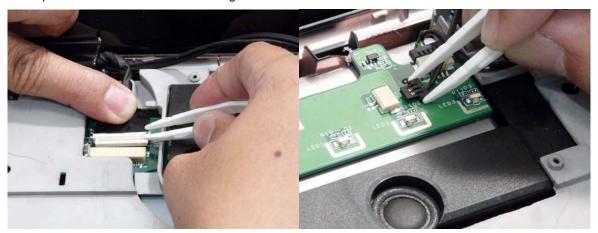
1. Replace the LCD Module on the Lower Case as shown.



2. Replace the single ground screw and four securing screws (two each side) connecting the LCD module.



3. Replace the LCD Interface and back light cables as shown.



4. Turn the computer over and replace the two securing screws.



Replacing the Antenna, MIC and Speaker Cables

IMPORTANT:Ensure that all cables pass through the Mainboard and are accessible from the underside of lower cover.

- 1. Insert the cabling through the housing as shown.
- 2. Ensure that the cabling is tucked in and secured.



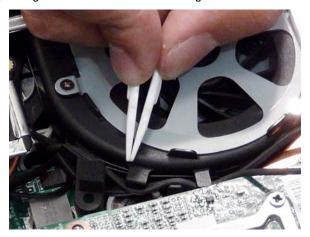
3. Turn the computer on its side, feed cables through to the underside.



4. Place the computer upside down, and insert the MIC and Speaker cables through the HDD housing.



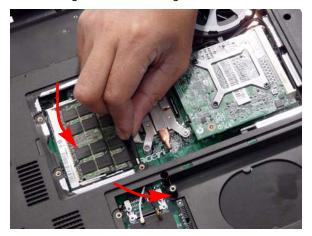
5. Take note of the cabling arrangement. Ensure that the cabling is secured as shown to prevent damage.



6. Connect the MIC and speaker cables.

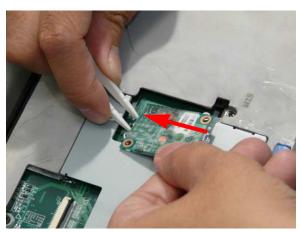


7. Gently pull the Antenna Cables through the HDD housing.

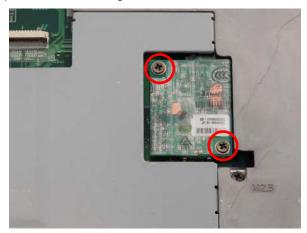


Replacing the Modem Module

1. Angle the Modem Module as shown and attach to the connector.

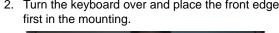


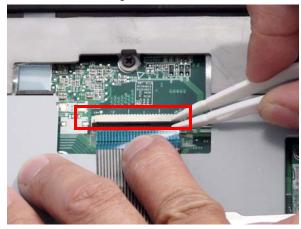
2. Insert the module and replace the two securing screws.



Replacing the Keyboard

1. Replace the keyboard cable to the mainboard, and 2. Turn the keyboard over and place the front edge secure the locking latch.







3. Press down on the areas marked below to secure in place.



Replacing the Switch Board

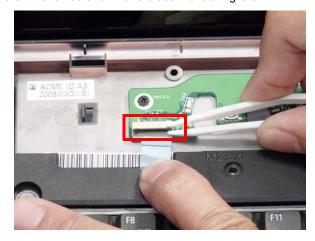
1. Reseat the Switch Board and replace the two securing screws.



2. Connect both cables on the right as shown.



3. Replace the FFC cable on the left as shown and close the locking latch.

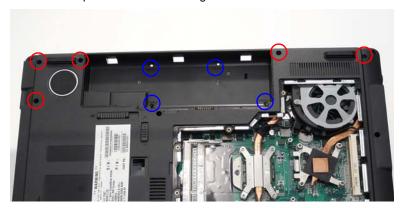


Replacing the Switch Cover

1. Replace the Switch cover, and press down to secure in place.



2. Turn the computer over and replace the nine securing screws.



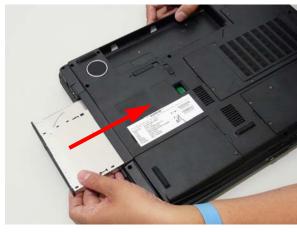
Replacing the ODD Module

- 1. Eject the ODD tray and press the cover into the tray, bottom edge first, to secure.
- 2. Turn ODD Module around and secure bracket with two screws.





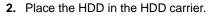
- 3. Slide Module in chassis and press until Module is flush with chassis.
- Replace the ODD Cap and secure the single captive screw.



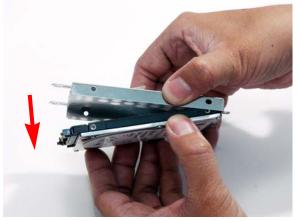


Replacing the Hard Disk Drive Module

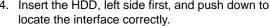
1. Replace the connector on the HDD.

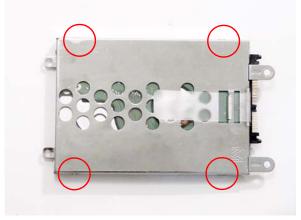






3. Replace the four screws (two each side) to secure 4. Insert the HDD, left side first, and push down to locate the interface correctly.







5. Replace the two securing screws.



Replacing the WLAN Board

1. Insert the WLAN board in to the socket.



2. Push the board down and replace the two securing screws.



3. Replace the two antenna cables.

NOTE: The following is the correct cable-color to connector designation: TR1 to Gray and TR2 to Black.



Replacing the TV Tuner Module

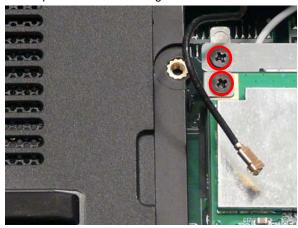
1. Attach the bracket to the module.

2. Insert the TV Tuner board in to the socket.

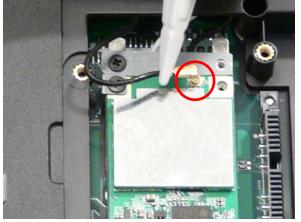




3. Replace the two securing screws.

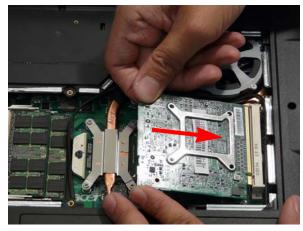


4. Replace the antenna cable.

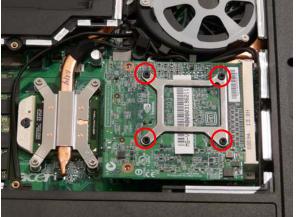


Replacing the MXM Module

1. Insert the MXM board in to the socket.

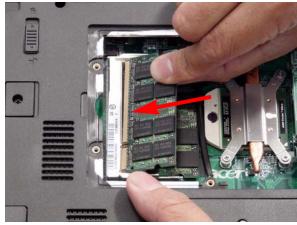


2. Replace the four securing screws.

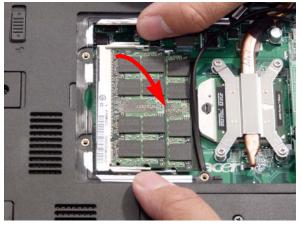


Replacing the DIMM Modules

1. Insert DIMM in to the socket.



2. Press down to locate DIMM correctly.



3. Repeat steps 1 and 2 for the second DIMM module.

Replacing the Lower Covers

1. Replace the HDD2 cover.



2. Replace the HDD1 cover.



3. Replace the Memory cover.



4. Secure the ten captive screws in the covers.



Replacing the ExpressCard Dummy Tray

1. Insert the ExpressCard dummy as shown.



2. Push into the slot until flush with the chassis cover.



Replacing the SD Dummy Tray

1. Insert the SD dummy as shown.

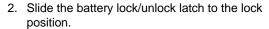


2. Push into the slot until flush with the chassis cover.



Replacing the Battery

1. Slide and hold the battery release latch (1), insert battery in to the main unit (2).







Troubleshooting

Common Problems

Use the following procedure as a guide for computer problems.

NOTE: The diagnostic tests are intended to test only Acer products. Non-Acer products, prototype cards, or modified options can give false errors and invalid system responses.

- 1. Obtain the failing symptoms in as much detail as possible.
- 2. Verify the symptoms by attempting to re-create the failure by running the diagnostic test or by repeating the same operation.
- **3.** Use the following table with the verified symptom to determine which page to go to.

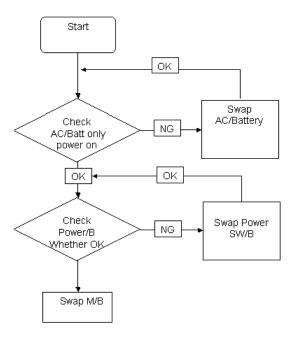
| Symptoms (Verified) | Go To |
|--------------------------------|----------|
| Power On Issue | Page 130 |
| No Display Issue | Page 131 |
| LCD Failure | Page 133 |
| Internal Keyboard Failure | Page 133 |
| Touch Pad Failure | Page 134 |
| Internal Speaker Failure | Page 134 |
| Internal Microphone Failure | Page 136 |
| ODD Failure | Page 138 |
| Rightside USB Failure | Page 141 |
| Modem Failure | Page 141 |
| WLAN Failure | Page 142 |
| Acer EasyLaunch Button Failure | Page 142 |
| Acer MediaTouch Failure | Page 143 |
| Fingerprint Reader Failure | Page 143 |
| Thermal Unit Failure | Page 144 |
| HDTV Switch Failure | Page 144 |
| Other Functions Failure | Page 145 |
| Intermittent Failures | Page 146 |
| Undermined Failures | Page 146 |

4. If the Issue is still not resolved, see "Online Support Information" on page 195.

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Power On Issue

If the system doesn't power on, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



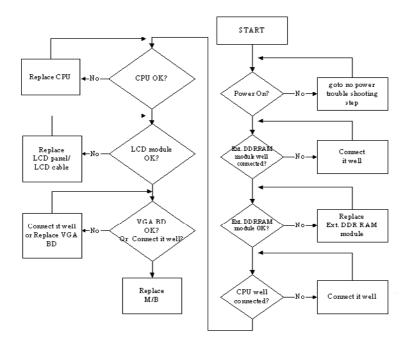
Computer Shutsdown Intermittently

If the system powers off at intervals, perform the following actions one at a time to correct the problem.

- 1. Check the power cable is properly connected to the computer and the electrical outlet.
- 2. Remove any extension cables between the computer and the outlet.
- 3. Remove any surge protectors between the computer and the electrical outlet. Plug the computer directly into a known good electrical outlet.
- **4.** Disconnect the power and open the casing to check the Thermal Unit (see "Thermal Unit Failure" on page 144) and fan airways are free of obstructions.
- 5. Disable the power management settings in the BIOS to ensure they are not the cause of the problem (see "Boot" on page 37).
- 6. Remove all external and non-essential hardware connected to the computer that are not necessary to boot the computer to the failure point.
- 7. Remove any recently installed software.
- 8. If the Issue is still not resolved, see "Online Support Information" on page 195.

No Display Issue

If the **Display** doesn't work, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



No POST or Video

If the POST or video doesn't display, perform the following actions one at a time to correct the problem.

- Make sure that the internal display is selected. On this notebook model, switching between the internal display and the external display is done by pressing Fn+F5. Reference Product pages for specific model procedures.
- 2. Make sure the computer has power by checking at least one of the following occurs:
 - Fans start up
 - Status LEDs light up

If there is no power, see "Power On Issue" on page 130.

- Drain any stored power by removing the power cable and battery and holding down the power button for 10 seconds. Reconnect the power and reboot the computer.
- **4.** Connect an external monitor to the computer and switch between the internal display and the external display is by pressing **Fn+F5** (on this model).
 - If the POST or video appears on the external display, see "LCD Failure" on page 133.
- 5. Disconnect power and all external devices including port replicators or docking stations. Remove any memory cards and CD/DVD discs. Restart the computer.
 - If the computer boots correctly, add the devices one by one until the failure point is discovered.
- 6. Reseat the memory modules.
- 7. Remove the drives (see "Disassembly Process" on page 46).
- 8. If the Issue is still not resolved, see "Online Support Information" on page 195.

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Abnormal Video Display

If video displays abnormally, perform the following actions one at a time to correct the problem.

- 1. Reboot the computer.
- 2. If permanent vertical/horizontal lines or dark spots display in the same location, the LCD is faulty and should be replaced. See "Disassembly Process" on page 46.
- 3. If extensive pixel damage is present (different colored spots in the same locations on the screen), the LCD is faulty and should be replaced. See "Disassembly Process" on page 46.
- Adjust the brightness to its highest level. See the User Manual for instructions on adjusting settings.

NOTE: Ensure that the computer is not running on battery alone as this may reduce display brightness.

If the display is too dim at the highest brightness setting, the LCD is faulty and should be replaced. See "Disassembly Process" on page 46.

- 5. Check the display resolution is correctly configured:
 - a. Minimize or close all Windows.
 - **b.** If display size is only abnormal in an application, check the view settings and control/mouse wheel zoom feature in the application.
 - If desktop display resolution is not normal, right-click on the desktop and select Personalize→ Display Settings.
 - d. Click and drag the Resolution slider to the desired resolution.
 - e. Click Apply and check the display. Readjust if necessary.
- 6. Roll back the video driver to the previous version if updated.
- 7. Remove and reinstall the video driver.
- **8.** Check the Device Manager to determine that:
 - The device is properly installed. There are no red Xs or yellow exclamation marks.
 - There are no device conflicts.
 - No hardware is listed under Other Devices.
- 9. If the Issue is still not resolved, see "Online Support Information" on page 195.
- Run the Windows Memory Diagnostic from the operating system DVD and follow the onscreen prompts.
- 11. If the Issue is still not resolved, see "Online Support Information" on page 195.

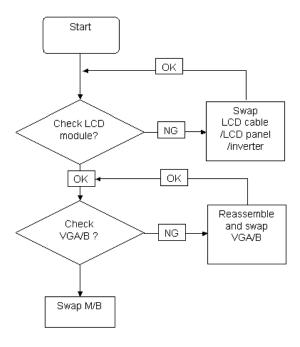
Random Loss of BIOS Settings

If the computer is experiencing intermittent loss of BIOS information, perform the following actions one at a time to correct the problem.

- 1. If the computer is more than one year old, replace the CMOS battery.
- 2. Run a complete virus scan using up-to-date software to ensure the computer is virus free.
- If the computer is experiencing HDD or ODD BIOS information loss, disconnect and reconnect the power and data cables between devices.
 - If the BIOS settings are still lost, replace the cables.
- 4. If HDD information is missing from the BIOS, the drive may be defective and should be replaced.
- 5. Replace the Motherboard.
- 6. If the Issue is still not resolved, see "Online Support Information" on page 195.

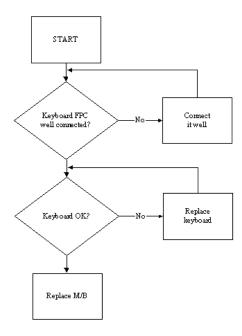
LCD Failure

If the **LCD** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Built-In Keyboard Failure

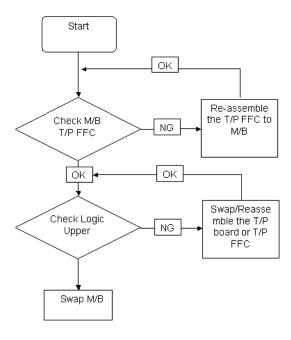
If the built-in **Keyboard** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



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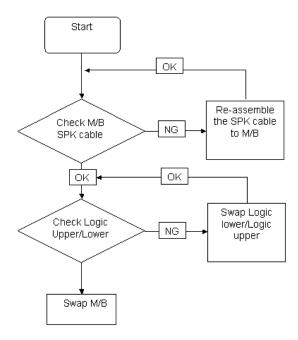
Touch Pad Failure

If the **Touch Pad** doesn't work, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Internal Speaker Failure

If the internal **Speakers** fail, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Sound Problems

If sound problems are experienced, perform the following actions one at a time to correct the problem.

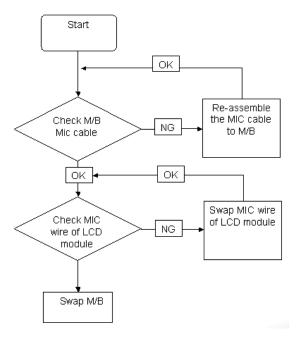
- 1. Reboot the computer.
- Navigate to Start→ Control Panel→ System and Maintenance→ System→ Device Manager. Check the Device Manager to determine that:
 - The device is properly installed.
 - There are no red Xs or yellow exclamation marks.
 - There are no device conflicts.
 - No hardware is listed under Other Devices.
- 3. Roll back the audio driver to the previous version, if updated recently.
- Remove and reinstall the audio driver.
- 5. Ensure that all volume controls are set mid range:
 - Click the volume icon on the taskbar and drag the slider to 50. Ensure that the volume is not muted.
 - **b.** Click Mixer to verify that other audio applications are set to 50 and not muted.
- **6.** Navigate to **Start**→ **Control Panel**→ **Hardware and Sound**→ **Sound**. Ensure that Speakers are selected as the default audio device (green check mark).

NOTE: If Speakers does not show, right-click on the **Playback** tab and select **Show Disabled Devices** (clear by default).

- Select Speakers and click Configure to start Speaker Setup. Follow the onscreen prompts to configure the speakers.
- **8.** Remove and recently installed hardware or software.
- Restore system and file settings from a known good date using System Restore.If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
- 10. Reinstall the Operating System.
- 11. If the Issue is still not resolved, see "Online Support Information" on page 195.

Internal Microphone Failure

If the internal **Microphone** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Microphone Problems

If internal or external **Microphones** do no operate correctly, perform the following actions one at a time to correct the problem.

- Check that the microphone is enabled. Navigate to Start→ Control Panel→ Hardware and Sound→
 Sound and select the Recording tab.
- 2. Right-click on the Recording tab and select Show Disabled Devices (clear by default).
- 3. The microphone appears on the **Recording** tab.
- 4. Right-click on the microphone and select **Enable**.
- 5. Select the microphone then click **Properties**. Select the **Levels** tab.
- 6. Increase the volume to the maximum setting and click **OK**.
- 7. Test the microphone hardware:
 - a. Select the microphone and click Configure.
 - b. Select Set up microphone.
 - c. Select the microphone type from the list and click Next.
 - d. Follow the onscreen prompts to complete the test.
- 8. If the Issue is still not resolved, see "Online Support Information" on page 195.

HDD Not Operating Correctly

If the **HDD** does not operate correctly, perform the following actions one at a time to correct the problem.

- Disconnect all external devices.
- 2. Run a complete virus scan using up-to-date software to ensure the computer is virus free.
- 3. Run the Windows Vista Startup Repair Utility:
 - a. insert the Windows Vista Operating System DVD in the ODD and restart the computer.
 - **b.** When prompted, press any key to start to the operating system DVD.
 - c. The Install Windows screen displays. Click Next.
 - Select Repair your computer.
 - e. The System Recovery Options screen displays. Click Next.
 - f. Select the appropriate operating system, and click **Next**.

NOTE: Click Load Drivers if controller drives are required.

- g. Select Startup Repair.
- **h.** Startup Repair attempts to locate and resolve issues with the computer.
- i. When complete, click Finish.

If an issue is discovered, follow the onscreen information to resolve the problem.

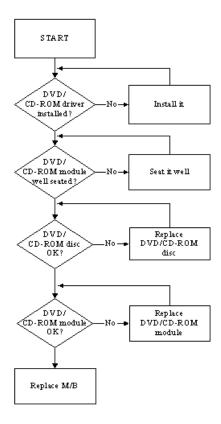
- 4. Run the Windows Memory Diagnostic Tool. For more information see Windows Help and Support.
- 5. Restart the computer and press F2 to enter the BIOS Utility. Check the BIOS settings are correct and that CD/DVD drive is set as the first boot device on the Boot menu.
- 6. Ensure all cables and jumpers on the HDD and ODD are set correctly.
- 7. Remove any recently added hardware and associated software.
- 8. Run the Windows Disk Defragmenter. For more information see Windows Help and Support.
- Run Windows Check Disk by entering chkdsk /r from a command prompt. For more information see Windows Help and Support.
- **10.** Restore system and file settings from a known good date using **System Restore**.

If the issue is not fixed, repeat the preceding steps and select an earlier time and date.

11. Replace the HDD. See "Disassembly Process" on page 46.

ODD Failure

If the **ODD** fails, perform the following actions one at a time to correct the problem. Do not replace a nondefective FRUs:



ODD Not Operating Correctly

If the **ODD** exhibits any of the following symptoms it may be faulty:

- · Audio CDs do not play when loaded
- DVDs do not play when loaded
- Blank discs do not burn correctly
- DVD or CD play breaks up or jumps
- Optical drive not found or not active:
 - · Not shown in My Computer or the BIOS setup
 - · LED does not flash when the computer starts up
 - · The tray does not eject
- Access failure screen displays
- The ODD is noisy

Perform the following general solutions one at a time to correct the problem.

- 1. Reboot the computer and retry the operation.
- 2. Try an alternate disc.
- Navigate to Start→ Computer. Check that the ODD device is displayed in the Devices with Removable Storage panel.
- 4. Navigate to Start→ Control Panel→ System and Maintenance→ System→ Device Manager.

- Double-click IDE ATA/ATAPI controllers. If a device displays a down arrow, right-click on the device and click Enable.
- b. Double-click DVD/CD-ROM drives. If the device displays a down arrow, right-click on the device and click Enable.
- c. Check that there are no yellow exclamation marks against the items in IDE ATA/ATAPI controllers. If a device has an exclamation mark, right-click on the device and uninstall and reinstall the driver.
- d. Check that there are no yellow exclamation marks against the items in DVD/CD-ROM drives. If a device has an exclamation mark, right-click on the device and uninstall and reinstall the driver.
- **e.** If the exclamation marker is not removed from the item in the lists, try removing any recently installed software and retrying the operation.

Discs Do Not Play

If discs do not play when inserted in the drive, perform the following actions one at a time to correct the problem.

- 1. Check that the disc is correctly seated in the drive tray and that the label on the disc is visible.
- 2. Check that the media is clean and scratch free.
- 3. Try an alternate disc in the drive.
- 4. Ensure that AutoPlay is enabled:
 - a. Navigate to Start→ Control Panel→ Hardware and Sound→ AutoPlay.
 - b. Select Use AutoPlay for all media and devices.
 - c. In the Audio CD and DVD Movie fields, select the desired player from the drop down menu.
- 5. Check that the Regional Code is correct for the selected media:

IMPORTANT:Region can only be changed a limited number of times. After Changes remaining reaches zero, the region cannot be changed even Windows is reinstalled or the drive is moved to another computer.

- a. Navigate to Start→ Control Panel→ System and Maintenance→ System→ Device Manager.
- b. Double-click DVD/CD-ROM drives.
- c. Right-click **DVD drive** and click **Properties**, then click the **DVD Region** tab.
- **d.** Select the region suitable for the media inserted in the drive.

Discs Do Not Burn Properly

If discs can not be burned, perform the following actions one at a time to correct the problem.

- Ensure that the default drive is record enabled:
 - a. Navigate to Start → Computer and right-click the writable ODD icon. Click Properties.
 - b. Select the Recording tab. In the Desktop disc recording panel, select the writable ODD from the drop down list.
 - c. Click OK.
- 2. Ensure that the software used for burning discs is the factory default. If using different software, refer to the software's user manual.

Playback is Choppy

If playback is choppy or jumps, perform the following actions one at a time to correct the problem.

- 1. Check that system resources are not running low:
 - **a.** Try closing some applications.
 - **b.** Reboot and try the operation again.
- 2. Check that the ODD controller transfer mode is set to DMA:
 - a. Navigate to Start → Control Panel → System and Maintenance → System → Device Manager.

- b. Double-click IDE ATA/ATAPI controllers, then right-click ATA Device 0.
- c. Click Properties and select the Advanced Settings tab. Ensure that the Enable DMA box is checked and click OK.
- **d.** Repeat for the other ATA Devices shown if applicable.

Drive Not Detected

If Windows cannot detect the drive, perform the following actions one at a time to correct the problem.

- 1. Restart the computer and press F2 to enter the BIOS Utility.
- 2. Check that the drive is detected in the **ATAPI Model Name** field on the Information page.
 - **NOTE:** Check that the entry is identical to one of the ODDs specified in "Hardware Specifications and Configurations" on page 18.
- 3. Turn off the power and remove the cover to inspect the connections to the ODD. See "Disassembly Process" on page 46.
 - a. Check for broken connectors on the drive, motherboard, and cables.
 - b. Check for bent or broken pins on the drive, motherboard, and cable connections.
 - **c.** Try an alternate cable, if available. If the drive works with the new cable, the original cable should be replaced.
- 4. Reseat the drive ensuring and all cables are connected correctly.
- **5.** Replace the ODD. See "Disassembly Process" on page 46.

Drive Read Failure

If discs cannot be read when inserted in the drive, perform the following actions one at a time to correct the problem.

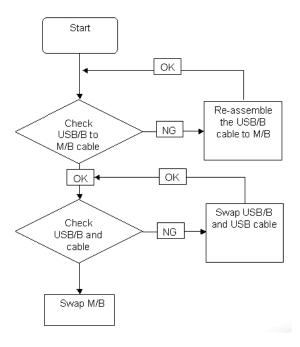
- 1. Remove and clean the failed disc.
- 2. Retry reading the CD or DVD.
 - **d.** Test the drive using other discs.
 - e. Play a DVD movie
 - f. Listen to a music CD

If the ODD works properly with alternate discs, the original disc is probably defective and should be replaced.

- 3. Turn off the power and remove the cover to inspect the connections to the ODD. See "Disassembly Process" on page 46.
 - a. Check for broken connectors on the drive, motherboard, and cables.
 - **b.** Check for bent or broken pins on the drive, motherboard, and cable connections.
 - **c.** Try an alternate cable, if available. If the drive works with the new cable, the original cable should be replaced.
- 4. Replace the ODD. See "Disassembly Process" on page 46.

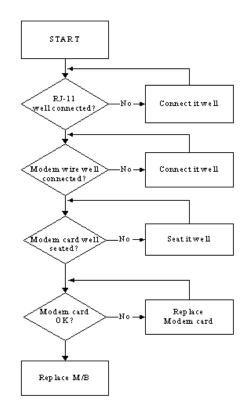
USB Failure (Rightside)

If the rightside **USB** port fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



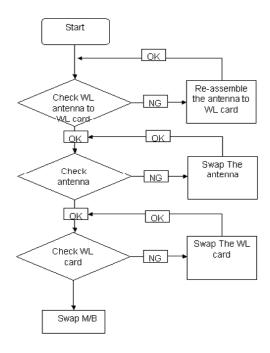
Modem Function Failure

If the internal **Modem** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



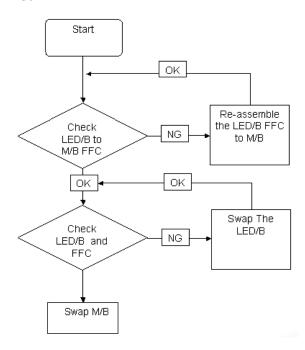
Wireless Function Failure

If the **WLAN** fails, perform the following actions one at a time to correct the problem. Do not replace a nondefective FRUs:



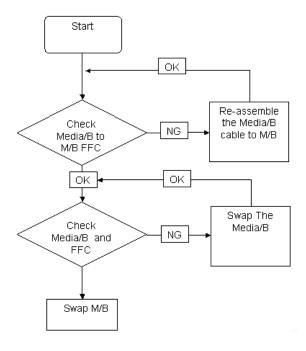
EasyTouch Button Failure

If the **Acer EasyTouch** buttons fail, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



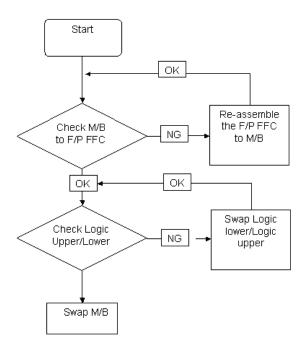
MediaTouch Button Failure

If the **Acer MediaTouch** buttons fail, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



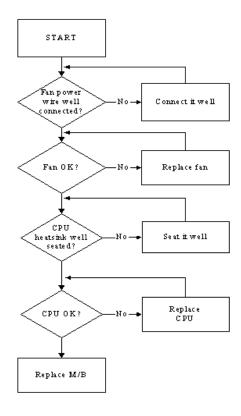
Fingerprint Reader Failure

If the **Fingerprint Reader** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



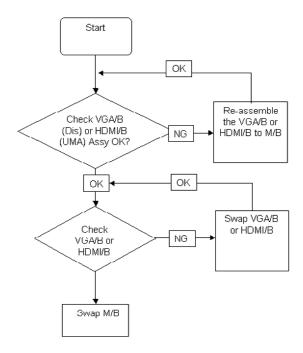
Thermal Unit Failure

If the **Thermal Unit** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



HDTV Switch Failure

If the **HDTV Switch** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



External Mouse Failure

If an external Mouse fails, perform the following actions one at a time to correct the problem.

- Try an alternative mouse.
- 2. If the mouse uses a wireless connection, insert new batteries and confirm there is a good connection. See the mouse user manual.
- 3. If the mouse uses a USB connection, try an alternate USB port.
- 4. Try an alternative program to verify mouse operation. Reinstall the program experiencing mouse failure.
- 5. Restart the computer.
- 6. Remove any recently added hardware and associated software.
- Remove any recently added software and reboot.
- 8. Restore system and file settings from a known good date using **System Restore**.
 - If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
- **9.** Run the Event Viewer to check the events log for errors. For more information see Windows Help and Support.
- 10. Roll back the mouse driver to the previous version if updated recently.
- 11. Remove and reinstall the mouse driver.
- 12. Check the Device Manager to determine that:
 - The device is properly installed. There are no red Xs or yellow exclamation marks.
 - There are no device conflicts.
 - No hardware is listed under Other Devices.
- 13. If the Issue is still not resolved, see "Online Support Information" on page 195.

Other Failures

If the CRT Switch, Dock, LAN Port, external MIC or Speakers, PCI Express Card, 5-in-1 Card Reader or Volume Wheel fail, perform the following general steps to correct the problem. Do not replace a non-defective FRUs:

- 1. Check Drive whether is OK.
- 2. Check Test Fixture is ok.
- Swap M/B to Try.

Intermittent Problems

Intermittent system hang problems can be caused by a variety of reasons that have nothing to do with a hardware defect, such as: cosmic radiation, electrostatic discharge, or software errors. FRU replacement should be considered only when a recurring problem exists.

When analyzing an intermittent problem, do the following:

- 1. Run the advanced diagnostic test for the system board in loop mode at least 10 times.
- 2. If no error is detected, do not replace any FRU.
- 3. If any error is detected, replace the FRU. Rerun the test to verify that there are no more errors.

Undetermined Problems

The diagnostic problems does not identify which adapter or device failed, which installed devices are incorrect, whether a short circuit is suspected, or whether the system is inoperative.

Follow these procedures to isolate the failing FRU (do not isolate non-defective FRU).

NOTE: Verify that all attached devices are supported by the computer.

NOTE: Verify that the power supply being used at the time of the failure is operating correctly. (See "Power On Issue" on page 130.):

- 1. Power-off the computer.
- 2. Visually check them for damage. If any problems are found, replace the FRU.
- 3. Remove or disconnect all of the following devices:
 - Non-Acer devices
 - · Printer, mouse, and other external devices
 - Battery pack
 - Hard disk drive
 - DIMM
 - · CD-ROM/Diskette drive Module
 - PC Cards
- 4. Power-on the computer.
- 5. Determine if the problem has changed.
- 6. If the problem does not recur, reconnect the removed devices one at a time until you find the failing FRU.
- 7. If the problem remains, replace the following FRU one at a time. Do not replace a non-defective FRU:
 - System board
 - LCD assembly

POST Codes Tables

These tables describe the chipset and core POST codes, functions, phases, and components for the POST.

Chipset POST Codes

The following table details the chipset POST codes and functions used in the POST.

| POST Code | Function | Phase | Component |
|-----------|--|------------------------------------|-------------|
| 0xA0 | MRC Entry | PEI | chipset/MRC |
| 0x01 | Enable MCHBAR | PEI | chipset/MRC |
| 0x02 | Check ME existence | PEI | chipset/MRC |
| 0x03 | Check for DRAM initialization interrupt and reset fail | PEI | chipset/MRC |
| 0x04 | Determine the system Memory type based on first populated socket | PEI | chipset/MRC |
| 0x05 | Verify all DIMMs are DDR2 and SO-DIMMS, which are unbuffered | PEI | chipset/MRC |
| 0x06 | Verify all DIMMs are Non-ECC | PEI | chipset/MRC |
| 0x07 | Verify all DIMMs are single or double sided and not mixed | PEI | chipset/MRC |
| 0x08 | Verify all DIMMs are x8 or x16 width | PEI | chipset/MRC |
| 0x09 | Calculate number of Row and Column bits | PEI | chipset/MRC |
| 0x10 | Calculate number of banks for each DIMM | PEI | chipset/MRC |
| 0x11 | Determine raw card type | PEI | chipset/MRC |
| 0x12 | Find a common CAS latency between the DIMMS and the MCH | PEI | chipset/MRC |
| 0x13 | Determine the memory frequency and CAS latency to program | PEI | chipset/MRC |
| 0x14 | Determine the smallest common timing value for all DIMMS | PEI | chipset/MRC |
| 0x17 | Power management resume | PEI | chipset/MRC |
| 0x18 | Program DRAM type (DDR2/DDR3) and Power up sequence | PEI | chipset/MRC |
| 0x19 | Program the correct system memory frequency | PEI | chipset/MRC |
| 0x20 | Program the correct Graphics memory frequency | PEI | chipset/MRC |
| 0x21 | Early DRC initialization | PEI | chipset/MRC |
| 0x22 | Program the DRAM Row Attributes and DRAM Row Boundary registers PRE JEDEC. | PEI | chipset/MRC |
| 0x23 | Program the RCOMP SRAM registers | PEI | chipset/MRC |
| 0x24 | Program DRAM type (DDR2/DDR3) and Power up sequence | 2/DDR3) and Power up PEI chipset/M | |
| 0x25 | Program the DRAM Timing | PEI | chipset/MRC |
| 0x26 | Program the DRAM Bank Architecture register | PEI | chipset/MRC |
| 0x27 | Enable all clocks on populated rows | PEI | chipset/MRC |
| 0x28 | Program MCH ODT | PEI chipset/MF | |
| 0x29 | Program tRD | PEI | chipset/MRC |
| 0x30 | Miscellaneous Pre JEDEC steps | PEI | chipset/MRC |
| 0x31 | Program clock crossing registers | PEI | chipset/MRC |

| POST Code | Function | Phase | Component |
|-----------|---|----------------------------------|-------------|
| 0x32 | Program the Egress port timings | PEI | chipset/MRC |
| 0x33 | Program the Memory IO registers | PEI | chipset/MRC |
| 0x34 | Perform steps required before JEDEC | PEI | chipset/MRC |
| 0x35 | Perform JEDEC memory initialization for all memory rows | PEI | chipset/MRC |
| 0x36 | Setup DRAM control register for normal operation and enable | PEI | chipset/MRC |
| 0x37 | Do ZQ calibration for DDR3 | PEI | chipset/MRC |
| 0x38 | Perform final Dra/Drb programming, Set the mode of operation for the memory channels | PEI | chipset/MRC |
| 0x39 | Set Enhanced addressing mode for each channel | PEI | chipset/MRC |
| 0x40 | Perform steps required after JEDEC init | PEI | chipset/MRC |
| 0x41 | Program the receive enable reference timing control register | PEI | chipset/MRC |
| 0x42 | Post receive enable initialization | PEI | chipset/MRC |
| 0x43 | Enable sense amps. Reset read/write DQS pointers | PEI | chipset/MRC |
| 0x44 | Perform ME steps | PEI | chipset/MRC |
| 0x45 | Clear DRAM initialization bit in the ICH. | PEI | chipset/MRC |
| 0x46 | Program Thermal Management | PEI | chipset/MRC |
| 0x47 | Program TS on DIMM | PEI | chipset/MRC |
| 0x48 | Program TS on Board | PEI | chipset/MRC |
| 0xAF | Exit MRC | PEI | chipset/MRC |
| 0xE0 | #define MEM_ERR_BAD_DIMM (S11) | PEI | chipset/MRC |
| 0xE1 | #define MEM_ERR_ECC_DIMM (S06) | PEI | chipset/MRC |
| 0xE2 | #define MEM_ERR_SIDES (S07) | PEI | chipset/MRC |
| 0xE3 | #define MEM_ERR_WIDTH (S08, S10) | PEI | chipset/MRC |
| 0xE4 | #define MEM_ERR_TRFC (FindTrasTrpTrcd) | PEI | chipset/MRC |
| 0xE5 | #define MEM_ERR_CAS_LATENCY (S12, S13) | PEI | chipset/MRC |
| 0xE6 | #define MEM_ERR_REFRESH (ProgDrt) | PEI | chipset/MRC |
| 0xE7 | #define MEM_ERR_BL8 (S14) | PEI | chipset/MRC |
| 0xE9 | #define MEM_ERR_FREQUENCY (findTCLTacTClk, S13, S12, ProgramGraphicsFrequency, ProgMchOdt, GetPlatformData) | Y (findTCLTacTClk, PEI chipset/N | |
| 0xEA | #define MEM_ERR_SIZE (S14) | PEI | chipset/MRC |
| 0xEC | #define MEM_ERR_TRAS (FindTrasTrpTrcd) | PEI | chipset/MRC |
| 0xED | #define MEM_ERR_TRP (FindTrasTrpTrcd) | PEI | chipset/MRC |
| 0xEE | #define MEM_ERR_TRCD (FindTrasTrpTrcd) | PEI | chipset/MRC |
| 0xEF | #define MEM_ERR_TWR (FindTrasTrpTrcd) | PEI | chipset/MRC |
| 0xF0 | #define MEM_ERR_RCVEN_FINDLOW (CalibrateRcvenForGroup) | PEI | chipset/MRC |
| 0xF1 | #define MEM_ERR_RCVEN_FINDEDGE (CalibrateRcvenForGroup) | PEI chipset/MRC | |
| 0xF2 | #define MEM_ERR_RCVEN_FINDPREAMBLE (CalibrateRcvenForGroup) | PEI chipset/MRC | |
| 0xF6 | #define MEM_ERR_RCVEN_PREAMBLEEDGE (CalibrateRcvenForGroup) | PEI | chipset/MRC |

| POST Code | Function | Phase | Component |
|-----------|---|-------|-------------|
| 0xF3 | #define MEM_ERR_RCVEN_FINDCENTER (CalibrateRcvenForGroup) | PEI | chipset/MRC |
| 0xFZ | #define MEM_ERR_TYPE (S11, S04) | PEI | chipset/MRC |
| 0xF5 | #define MEM_ERR_RAWCARD (S11) | PEI | chipset/MRC |
| 0xFA | #define MEM_ERR_SFF (ProgWrioDII) | PEI | chipset/MRC |
| 0xFB | #define MEM_ERR_THERMAL (ProgramThrottling) | PEI | chipset/MRC |
| 0xA0xx | Launch BIOS ACMSclean | PEI | chipset/TXT |
| 0xA4xx | Launch BIOS ACMScheck | PEI | chipset/TXT |
| 0xE5 | Wait for ME ready | DXE | HECI/iAMT |
| 0xE6 | ME Ready | DXE | HECI/iAMT |

Core POST Codes

The following table details the core POST codes and functions used in the POST.

| POST Code | Function Phase | | Component |
|-----------|--|-----------------|-----------|
| 0x00 | Early Microcode update for CAR | CEI / SEC | Core |
| 0x01 | Enable CAR | CEI / SEC Core | |
| 0x02 | CAR Done, initial stack | CEI / SEC | Core |
| 0xEE | unknown CPU ID to load uCode | CEI / SEC | CPU |
| 0xEF | unknown DT CPU to load uCode | CEI / SEC | CPU |
| 0xnn | File count found in a volume | PEI | Core |
| 0x11 | Debug Test driver for debug test PPI 1 (If install debugTest driver) | PEI | Core |
| 0x22 | Debug Test driver for debug test PPI 2 (If install debugTest driver) | PEI | Core |
| 0x33 | Debug Test driver for debug test PPI 3 (If install debugTest driver) | PEI | Core |
| 0x44 | Entry point of loadfile | PEI | Core |
| 0x88 | Entry point of apMuLoader | PEI | Core |
| 0x80 | A PEIM found | PEI | Core |
| 0x82 | PEIM not dispatched yet | PEI | Core |
| 0x84 | PEIM satisfies depex | PEI | Core |
| 0x86 | Image loaded but fail on security | PEI | Core |
| 0x88 | Executing a PEIM | PEI | Core |
| 0x8A | Processing notify event for newly installed PPI | PEI | Core |
| 0x8C | Handing off to next phase (DXE) | PEI | Core |
| 0x8F | Fail to hand off to next phase, system halt | PEI | Core |
| 0x90 | All PEIM dispatched! Going to Dxelpl | PEI | Core |
| 0xCC | AP Micro-code update | PEI | Core |
| 0x20 | S3 resume entry | S3 resume | Core |
| 0x21 | Start running Boot-time bootscripts | S3 resume | Core |
| 0x22 | Start running Run-time bootscripts | S3 resume | Core |
| 0x23 | End of S3 resume, jump back to Waking vector | S3 resume | Core |
| 0x80 | Initialize the chipset | Crisis Recovery | Core |
| 0x81 | Initialize the bridge | Crisis Recovery | Core |

| POST Code | Function | Phase | Component |
|-----------|---|-------------------------------|-----------|
| 0x82 | Initialize the CPU Crisis Recovery | | Core |
| 0x89 | Set Huge Segment Crisis Recove | | Core |
| 0x83 | Initialize system timer | Crisis Recovery | Core |
| 0x84 | Initialize system I/O | Crisis Recovery | Core |
| 0x88 | Initialize Multi Processor | Crisis Recovery | Core |
| 0x8A | Initialize OEM special code | Crisis Recovery | Core |
| 0x8B | Initialize PIC and DMA | Crisis Recovery | Core |
| 0x8C | Initialize Memory type | Crisis Recovery | Core |
| 0x8D | Initialize Memory size | Crisis Recovery | Core |
| 0x8F | Initialize SMM | Crisis Recovery | Core |
| 0x90 | System memory test | Crisis Recovery | Core |
| 0x91 | Initialize interrupt vectors | Crisis Recovery | Core |
| 0x92 | Initialize Run Time Clock | Crisis Recovery | Core |
| 0x99 | Initialize security | Crisis Recovery | Core |
| 0x93 | Initialize video | Crisis Recovery | Core |
| 0x94 | Output one beep | Crisis Recovery | Core |
| 0x98 | USB Initialization | Crisis Recovery | Core |
| 0x95 | Initialize the installed boot devices | Crisis Recovery | Core |
| 0x96 | Clear Huge segment | Crisis Recovery | Core |
| 0x97 | Boot Crisis Disk | Crisis Recovery | Core |
| 0x20 | DXE starts | DXE | Core |
| 0x30 | BIOSPSM | DXE | Core |
| 0x02 | BIOSBlockIO | DXE | Core |
| 0x00 | BIOSPSM Exception Handler - Divide error | BIOSPSM | Core |
| 0x38 | Cannot locate LegacyRegion DXE | BIOSPSM | Core |
| 0xB1 | ACPISupport driver Installed | DXE | Core |
| 0xE0 | BDS Entry | DXE | Core |
| 0x07 | IA32 variable driver entry | DXE | Core |
| 0x0D | conspliter driver entry | DXE | Core |
| 0x10 | partition driver entry | DXE | Core |
| 0x49 | pciRootBridge driver entry | DXE | Core |
| 0xC6 | pciBusDriver entry | DXE | Core |
| 0xE0 | Go to legacy BIOS or BDS Entry Point | DXE | Core |
| 0x90 | Start Image | DXE | Core |
| 0x90 | Start Image Successfully | DXE | Core |
| 0x90 | Start Image Failed | DXE | Core |
| 0x33 | Debug Test driver for debug test PPI 1 | DXE | Core |
| 0x22 | Debug Test driver for debug test PPI 2 DXE | | Core |
| 0x11 | Debug Test driver for debug test PPI 3 | DXE | Core |
| 0x02 | Invalid event # for measuring Separator Event | DXE | TCG |
| 0x02 | Invalid event # for measuring Separator Event | DXE | TCG |
| 0x02 | PCR Index over limit (PCR > 23) | DXE | TCG |
| 0x02 | TCG copy memory failed | TCG copy memory failed DXE TC | |

| POST Code | Function | Phase | Component |
|-----------|---|--|-----------|
| 0x09 | TCG log event failed | DXE | TCG |
| 0x09 | Setup event log failed | DXE | TCG |
| 0x12 | TIS set active locality failed | DXE | TCG |
| 0x12 | TIS relinquish active locality failed | DXE | TCG |
| 0x12 | TIS wait command ready failed (prepare to send) | DXE | TCG |
| 0x12 | TIS abort 'send 'command due to timeout | DXE | TCG |
| 0x12 | TIS abort 'sendAndGo 'command due to timeout | DXE | TCG |
| 0x04 | TIS wait bit set failed before send last byte | DXE | TCG |
| 0x12 | TIS abort command due to timeout before send last byte | DXE | TCG |
| 0x04 | TIS wait bit clear failed when sending last byte | DXE | TCG |
| 0x22 | TCG Physical Presence execution | DXE | TCG |
| 0xB1 | TCG DXE common pass through | DXE | TCG |
| 0xE3 | First Legacy BIOS Task table for legacy reset | LBT | Core |
| 0x20 | Verify that DRAM refresh is operating by polling the refresh bit in PORTB. | LBT | Core |
| 0xDA | Dummy PCIE Init entry, now handled by driver | LBT | Core |
| 0x29 | PMM (POST Memory Manager) init | LBT | Core |
| 0xE5 | WHEA init | LBT | Core |
| 0x33 | PDM (Post Dispatcher Manager) init | LBT | Core |
| 0x01 | IPMI init | LBT | Core |
| 0xD8 | ASF Init | LBT | Core |
| 0x09 | Set in-POST flag in CMOS that indicates we are in POST. If this bit is not cleared by postClearBootFlagJ (AEh), the TrustedCore on next boot determines that the current configuration caused POST to fail and uses default values for configuration. | | Core |
| 0x2B | Enhanced CMOS init | LBT | Core |
| 0xE0 | EFI Variable Init | LBT | Core |
| 0xC1 | PEM (Post Error Manager) init | LBT | Core |
| 0x3B | Debug Service Init (ROM Polit) | LBT | Core |
| 0xDC | POST Update Error | LBT | Core |
| 0x3A | Autosize external cache and program cache size for enabling later in POST. | ternal cache and program cache size for LBT Core | |
| 0x0B | Enable CPU cache. Set bits in cmos related to cache. | LBT Core | |
| 0x0F | Enable the local bus IDE as primary or secondary depending on other drives detected. | LBT Core | |
| 0x10 | Initialize Power Management. | LBT | Core |
| 0x14 | Verify that the 8742 keyboard controller is responding. Send a self-test command to the 8742 and wait for results. Also read the switch inputs from the 8742 and write the keyboard controller command byte. | | Core |

| POST Code | Function | Phase | Component |
|-----------|---|---|-----------|
| 0x1A | Initialize DMA command register with these settings: 1. Memory to memory disabled 2. Channel 0 hold address disabled 3. Controller enabled 4. Normal timing 5. Fixed priority 6. Late write selection 7. DREQ sense active 8. DACK sense active low. | LBT | Core |
| 0x22 | Reset the keyboard. | LBT | Core |
| 0x40 | Test A20 line | LBT | Core |
| 0x67 | Quick initialization of all Application Processors in a multi-processor system | LBT | Core |
| 0x32 | Compute CPU speed. | LBT | Core |
| 0x69 | Initialize the handler for SMM. | LBT | Core |
| 0x6B | If CMOS is bad, load Custom Defaults from flash into CMOS. If successful, reboot. | LBT | Core |
| 0x3C | If CMOS is valid, load chipset registers with values from CMOS, otherwise load defaults and display Setup prompt. If Auto Configuration is enabled, always load the chipset registers with the Setup defaults (Rel 6.0). | LBT Core | |
| 0x3D | Load alternate registers with CMOS values | LBT | Core |
| 0x42 | Initialize interrupt vectors 0 thru 77h | LBT | Core |
| 0x46 | Verify the ROM copyright notice | LBT | Core |
| 0x45 | Initialize all motherboard devices. | LBT | Core |
| 0x49 | 1. Size the PCI bus topology and set bridge bus numbers. 2. Set the system max bus number. 3. Write a 0 to the command register of every PCI device. 4. Write a 0 to all 6 base registers in every PCI device. 5. Write a -1 to the status register of every PC | max bus number. 3. egister of every PCI base registers in every | |
| 0xC6 | Initialize note dock | LBT | Core |
| 0xC5 | PnPnd dual CMOS (optional) | LBT | Core |
| 0x48 | Verify that the equipment specified in the CMOS matches the hardware currently installed. If the monitor type is set to 00 then a video ROM must exist. If the monitor type is 1 or 2 set the video switch to CGA. If monitor type 3, set the video switch to m | | Core |
| 0xD1 | Initialize BIOS stack | LBT | Core |
| 0xD3 | Setup E820h and WAD memory map | LBT | Core |
| 0x24 | Set segment-register addressability to 4 GB | LBT | Core |
| 0xCC | Redirect Int 10h to enable target board to use a remote serial video (PICO BIOS). | LBT Core | |
| 0x8A | Initialize Extended BIOS Data Area and initialize the mouse. | LBT Core | |
| 0x9D | Initialize Security Engine. | LBT | Core |
| 0x55 | USB Initialization | LBT Core | |
| 0x52 | Verify keyboard reset. | LBT Core | |
| 0x54 | Initialize keystroke clicker if enabled in Setup. | LBT Core | |
| 0x76 | Check status bits for keyboard-related failures. Display error messages on the screen. | | Core |
| 0x4A | Initialize all video adapters in system | LBT | Core |

| POST Code | Function | Phase | Component | |
|-----------|---|----------|-----------|--|
| 0x4C | Shadow video BIOS ROM if specified by Setup, and CMOS is valid and the previous boot was OK. | | Core | |
| 0x59 | Register POST Display Services, fonts, and languages with the POST Dispatch Manager. | LBT | Core | |
| 0x57 | Initialize 1394 Firewire | LBT | Core | |
| 0xD6 | Initialize PC card | LBT | Core | |
| 0x58 | Test for unexpected interrupts. First do an STI for hot interrupts. Secondly, test the NMI for an unexpected interrupt. Thirdly, enable the parity checkers and read from memory, checking for an unexpected interrupt. | LBT | Core | |
| 0x3F | ROMPolit memory init | LBT | Core | |
| 0xC4 | Install the IRQ vectors (Sever Hotkey) | LBT | Core | |
| 0x7C | Initialize the hardware interrupt vectors from 08 to 0F and from 70h to 77H. Also set the interrupt vectors from 60h to 66H to zero. | LBT | Core | |
| 0x41 | ROM Pilot Init | LBT | Core | |
| 0x4B | Initialize QuietBoot if it is installed. Enable both keyboard and timer interrupts (IRQ0 and IRQ1). If your POST tasks require interrupts off, preserve them with a PUSHF and CLI at the beginning and a POPF at the end. | | Core | |
| 0xDE | Initialize and UNDI ROM (fro remote flash) | LBT | Core | |
| 0xC6 | Initial and install console for UCR | LBT | Core | |
| 0x4E | Display copyright notice. | LBT | Core | |
| 0xD4 | Get CPU branding string | LBT | Core | |
| 0x50 | Display CPU type and speed | LBT | Core | |
| 0xC9 | pretask before EISA init | LBT | Core | |
| 0x51 | EISA Init | LBT | Core | |
| 0x5A | Display prompt "Press F2 to enter SETUP" | LBT | Core | |
| 0x5B | Disable CPU cache. | LBT | Core | |
| 0x5C | Test RAM between 512K and 640K. | LBT | Core | |
| 0x60 | Determine and test the amount of extended memory available. Determine if memory exists by writing to a few strategic locations and see if the data can be read back. If so, perform an address-line test and a RAM test on the memory. | | Core | |
| 0x62 | The amount of memory available. This test is dependent on the processor, since the test will vary depending on the width of memory (16 or 32 bits). This test will also use A20 as the skew address to prevent corruption of the system memory. | LBT Core | | |
| 0x64 | Jump to UserPatch1. | LBT | Core | |
| 0x66 | Set cache registers to their CMOS values if CMOS is valid, unless auto configuration is enabled, in which case load cache registers from the Setup default table. | | Core | |
| 0x68 | Enable external cache and CPU cache if present. Configure non-cacheable regions if necessary. | LBT | Core | |

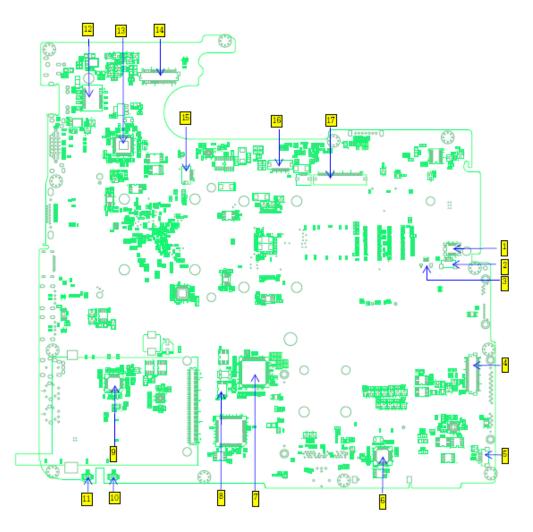
| POST Code | Function | Phase Compo | | |
|-----------|--|----------------------|------|--|
| 0x6A | Display external cache size on the screen if it is non-zero. | LBT | Core | |
| 0x6C | Display shadow message | LBT | Core | |
| 0xCA | post EISA init | LBT | Core | |
| 0x70 | Check flags in CMOS and in the TrustedCore data area for errors detected during POST. Display error messages on the screen. | LBT | Core | |
| 0x72 | Check status bits to see if configuration problems were detected. If so, display error messages on the screen. | LBT | Core | |
| 0x4F | Initialize MultiBoot. Allocate memory for old and new MultiBoot history tables. | LBT | Core | |
| 0xCD | Reclaim console vector after HW vectors initialized. | LBT | Core | |
| 0x7D | Initialize Intelligent System Monitoring. | LBT | Core | |
| 0x7E | The Coprocessor initialization test. Use the floating point instructions to determine if a coprocessor exists instead of the ET bit in CR0. | LBT | Core | |
| 0xC1 | Check Boot Type (Server BIOS) | LBT | Core | |
| 0x80 | Disable onboard COM and LPT ports before testing for presence of external I/O devices. | LBT | Core | |
| 0xCA | Redirect Int 15h to enable target board to use remote keyboard (PICO BIOS). | LBT | Core | |
| 0x88 | Initialize interrupt controller. | LBT | Core | |
| 0x81 | Run late device initialization routines. | LBT | Core | |
| 0x87 | Initialize motherboard configurable devices. | LBT | Core | |
| 0x85 | Display any ESCD read errors and configure all PnP ISA devices. | LBT | Core | |
| 0x82 | Test and identify RS232 ports. | LBT | Core | |
| 0x84 | Test and identify parallel ports. | LBT | Core | |
| 0x86 | Initialize onboard I/O and BDA according to CMOS and presence of external devices. | LBT | Core | |
| 0x83 | Configure Fisk Disk Controller. | LBT | Core | |
| 0xCE | Initialize digitizer device and display installed message if successful. | LBT | Core | |
| 0x89 | Enable non-maskable interrupts. | LBT | Core | |
| 0x8C | Initialize both of the floppy disks and display an error message if failure was detected. Check both drives to establish the appropriate diskette types in the TrustedCore data area | l. Check both drives | | |
| 0xCB | Redirect Int 13h to Memory Technologies Devices such as ROM, RAM, PCMCIA, and serial disk (PICO BIOS). | LBT Core | | |
| 0xCD | Remap I/O and memory address space for PCMCIA (PICO BIOS). | LBT | Core | |
| 0x90 | , | | Core | |

| POST Code | Function | Phase Compone | | |
|-----------|---|---------------|----------|--|
| 0x8B | Setup interrupt vector and present bit in Equipment byte. | LBT Core | | |
| 0x95 | Check CMOS for CD-ROM drive present 2. Activate the drive by checking for media present 3. Check sector 11h (17) for Boot Record Volume Descriptor 4. Check the boot catalog for validity 5. Pick a boot entry 6. Create a Specification Packet | LBT | Core | |
| 0x92 | Jump to UserPatch2. | LBT | Core | |
| 0xB6 | If password on boot is enabled, a call is made to Setup to check password. If the user does not enter a valid password, Setup does not return. | LBT | Core | |
| 0x98 | Search for option ROMs. Rom scan the area from C800h for a length of BCP_ROM_Scan_Size (or to E000h by default) on every 2K boundary, looking for add on cards that need initialization. | LBT | Core | |
| 0x93 | Build the MPTABLE for multi-processor boards | LBT | Core | |
| 0xD9 | IPMI late init | LBT | Core | |
| 0x9C | Set up Power Management. Initiate power - management state machine. | LBT | Core | |
| 0xC7 | Late note dock init | LBT | Core | |
| 0x9E | Enable hardware interrupts | LBT | Core | |
| 0xA0 | Setup time tick for current date/time | LBT | Core | |
| 0xA2 | Setup Numlock indicator. Display a message if key switch is locked. | LBT | Core | |
| 0xA4 | Initialize typematic rate | LBT | Core | |
| 0xDB | StrongROM Test | LBT | Core | |
| 0xE2 | OEM security key test | LBT | Core | |
| 0xC2 | Write PEM errors. | LBT | Core | |
| 0xBA | Initialize the SMBIOS header and sub-structures. | LBT | Core | |
| 0xC3 | Display PEM errors. | LBT | Core | |
| 0xA8 | Overwrite the "Press F2 for Setup" prompt with spaces, erasing it from the screen. | LBT | Core | |
| 0xAA | Scan the key buffer to see if the F2 key was struck after keyboard interrupts were enabled. If an F2 keystroke is found, set a flag. | LBT Core | | |
| 0xE1 | Start Periodic Timer (TC Subscribe) | LBT | Core | |
| 0xAC | Check if "Enter SETUP" is pressed. | LBT | Core | |
| 0x8F | Count the number of ATA drives in the system and update the number in bdaFdiskcount. | LBT Core | | |
| 0x91 | Configure the local bus IDE timing register based on the drives attached to it. | LBT Core | | |
| 0x9F | Check the total number of Fast Disks (ATA and SCSI) and update the bdaFdiskCount. | LBT | LBT Core | |
| 0xD7 | Check if FirstWare HPA exists | LBT | Core | |
| 0xAE | Clear ConfigFailedBit and InPostBit in CMOS. | LBT | LBT Core | |
| 0xB0 | Check for errors and decide if needs to run Setup. | LBT Core | | |
| 0xB2 | Change status bits in CMOS and/or the TrustedCore data area to reflect the fact that POST is complete. | LBT | Core | |

| POST Code | Function | Phase | Component | |
|-----------|--|------------|-----------|--|
| 0xB5 | Fade out OEM Logo or post string | LBT | Core | |
| 0xC5 | End hotkey detection (Server BIOS) | LBT | Core | |
| 0xBE | If BCP option is enabled, clear the screen before booting. | LBT | Core | |
| 0xB6 | If password on boot is enabled, a call is made to Setup to check password. If the user does not enter a valid password, Setup does not return. | LBT | Core | |
| 0xBC | Clear parity-error latch | LBT | Core | |
| 0xB7 | Initialize ACPI BIOS. | LBT | Core | |
| 0x9B | Enable CPU management (Geyserville I) | LBT | Core | |
| 0xBD | Display Boot First menu if MultiBoot is installed and hotkey pressed. | LBT Core | | |
| 0xBF | Check virus and backup reminders. | LBT | Core | |
| 0x97 | Create pointer to MP table in Extended BDA. | LBT | Core | |
| 0x99 | Check support status for Self-Monitoring Analysis Reporting Technology (disk-failure warning). | LBT | Core | |
| 0xB1 | Unload ROM Pilot | LBT | Core | |
| 0xDD | Perform remote flash if requested | LBT | Core | |
| 0xC7 | If UCR redirection is installed, remove display manager and unhook INT10 | LBT | Core | |
| 0XDF | Shutdown the PXE UNDI code | LBT | Core | |
| 0xB3 | Store enhanced CMOS values in non-volatile area | LBT | Core | |
| 0xE4 | Last Legacy BIOS Task before hand off to UEFI/DXE | LBT | Core | |
| 0xB9 | Clear all screen graphics before booting. | bootLegacy | Core | |
| 0xC0 | INT19 entry for legacy boot | bootLegacy | Core | |
| 0xEF | Invalid AP # | SDXE | Core | |
| 0xEF | Non-Yohna and non-Morem class CPU found for SDXE (getTSCFreq) | SDXE | Core | |
| 0xEE | AP cannot synch BSP in SDXE (syncWithBSP) | SDXE | Core | |
| 0xEE | BSP cannot synch w/ AP in SDXE (syncWithAP) | SDXE | Core | |

Jumper and Connector Locations

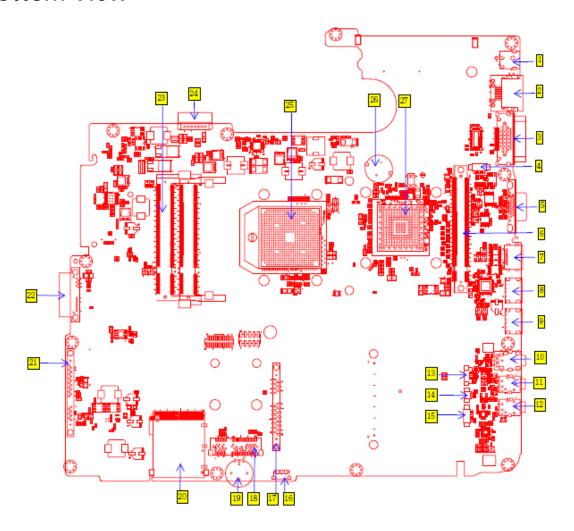
Top View



| No. | Jumper | Description | No. | Jumper | Description |
|-----|--------|------------------|-----|--------|--------------------|
| 1 | CN5 | MODEM CONN. | 10 | LED2 | BATTERY LED |
| 2 | CN7 | FINGER CONN. | 11 | LED1 | SYSTEM LED |
| 3 | CN6 | TOUCH PAD CONN. | 12 | U1 | TRANSFORMER |
| 4 | CN8 | NEW CARD CONN. | 13 | U2 | LAN CHIP |
| 5 | CN10 | BLUE TOOTH CONN. | 14 | CH1 | LCD CONN. |
| 6 | U17 | CARD READER CHIP | 15 | CN3 | SWITCH BOARD CONN. |
| 7 | U12 | EC WINBOND | 16 | CN2 | POWER BOARD CONN. |
| 8 | U14 | BIOS | 17 | CN4 | KEYBOARD CONN. |
| 9 | U13 | AUDIO CHIP | | | |

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Bottom View



| No. | Jumper | Description | No. | Jumper | Description |
|-----|--------|---------------|-----|--------|-----------------|
| 1 | PJ1 | DC JACK | 15 | CN30 | SUBWOOFER CONN. |
| 2 | CN11 | RJ5 CONN. | 16 | U34 | CIR |
| 3 | CN12 | DOCKING CONN. | 17 | CN28 | 2nd HDD CONN. |
| 4 | CN14 | FAN CONN. | 18 | CN33 | MINI CARD |
| 5 | CN15 | CRT CONN. | 19 | VR1 | VOLUME WHEEL |
| 6 | CN16 | MXM CONN. | 20 | CN31 | CARD READER |
| 7 | CN17 | HDMI CONN. | 21 | CN26 | 1st HDD CONN. |
| 8 | CN18 | USB CONN. | 22 | CN19 | ODD CONN. |
| 9 | CN20 | USB CONN. | 23 | J1 | SODIMM CONN. |
| 10 | CN29 | S/PDIF JACK | 24 | PCN1 | BATTERY CONN. |
| 11 | CN25 | MIC CONN. | 25 | T90 | CPU SOCKET |
| 12 | CN23 | LINE-IN CONN. | 26 | CN13 | RTC SOKET |
| 13 | CN27 | SPEAKER CONN. | 27 | U24 | NVIDIA MCP7 |
| 14 | CN24 | MIC CONN. | | | |

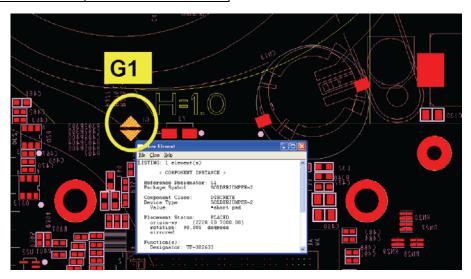
Clearing Password Check and BIOS Recovery

This section provide you the standard operating procedures of clearing password and BIOS recovery for Aspire 7230/7530G. Aspire 7230/7530G provide one Hardware Open Gap on main board for clearing password check, and one Hotkey for enabling BIOS Recovery.

Clearing Password Check

Hardware Open Gap Description

| Item | Description | |
|------|-------------------|--|
| G1 | Clear CMOS Jumper | |



Steps for Clearing BIOS Password Check

If users set BIOS Password (Supervisor Password and/or User Password) for a security reason, BIOS will ask the password during systems POST or when systems enter to BIOS Setup menu. However, once it is necessary to bypass the password check, users need to short the G1 jumper to clear the password.

To reset the Supervisor and User BIOS passwords, perform the following steps:

- Power Off the system and remove the AC power and battery pack from the machine.
- Open the back cover of the machine (DDR & Thermal)
- Remove the CMOS battery form battery socket on M/B.
- Use an electric conductivity tool to short the Short G1 jumper near CMOS battery.
- Replace the CMOS battery, battery pack, and AC power and start the system.
- Hit F2 to enter BIOS and check the passwords are clear.

NOTE: The steps are only for clearing BIOS Password (Supervisor Password and User Password).

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BIOS Recovery by Crisis Disk

BIOS Recovery Boot Block:

BIOS Recovery Boot Block is a special block of BIOS. It is used to boot up the system with minimum BIOS initialization. Users can enable this feature to restore the BIOS firmware to a successful one once the previous BIOS flashing process failed.

BIOS Recovery Hotkey:

The system provides a function hotkey: **Fn+Esc**, for enable BIOS Recovery process when system is powered on during BIOS POST. To use this function, it is strongly recommended to have the AC adapter and Battery present. If this function is enabled, the system will force the BIOS to enter a special BIOS block, called Boot Block.

Steps for BIOS Recovery from USB Storage:

Before doing this, prepare the Crisis USB key. The Crisis USB key could be made by executing the Crisis Disk program in another system with Windows XP OS.

Follow the steps below:

- 1. Save ROM file (file name: **JAL90x64.fd**) to the root directory of USB storage.
- 2. Plug USB storage into USB port.
- 3. Press Fn + ESC button then plug in AC.

The Power button flashes once.

- 4. Press Power button to initiate system CRISIS mode.
 - When CRISIS is complete, the system auto restarts with a workable BIOS.
- 5. Update the latest version BIOS for this machine by regular BIOS flashing process.

FRU (Field Replaceable Unit) List

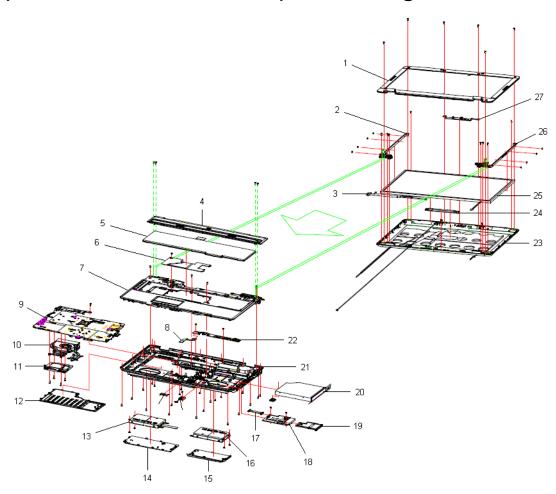
This chapter gives you the FRU (Field Replaceable Unit) listing in global configurations of Aspire 7230/7530/7530G. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

Please note that WHEN ORDERING FRU PARTS, you should check the most up-to-date information available on your regional web or channel. For whatever reasons a part number change is made, it will not be noted on the printed Service Guide. For ACER AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code from those given in the FRU list of this printed Service Guide. You MUST use the local FRU list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

NOTE: To scrap or to return the defective parts, you should follow the local government ordinance or regulations on how to dispose it properly, or follow the rules set by your regional Acer office on how to return it.

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Aspire 7230/7530/7530G Exploded Diagram



| Item | Description | Part Number | Item | Description | Part Number |
|------|-------------------|--------------|------|--------------------|--------------|
| 1 | LCD Bezel | 60.AR907.005 | 15 | 1st HDD Door | 42.AR907.003 |
| 2 | LCD Bracket L | 33.AR907.007 | 16 | 1st HDD | KH.12004.007 |
| 3 | LCD Cable | 50.AR907.002 | 17 | Card Reader Cable | 50.TPK07.002 |
| 4 | Middle Cover | 42.AR907.001 | 18 | Card Reader | 55.ARL07.001 |
| 5 | Keyboard | KB.INT00.478 | 19 | Dummy Express Card | N/A |
| 6 | DDR Cover | 33.AR907.001 | 20 | ODD | 6M.AR907.002 |
| 7 | Upper Case | 60.AS307.001 | 21 | Lower Case | 60.AR907.002 |
| 8 | Power Board Cable | 50.AR907.001 | 22 | Power Board | 55.ARL07.002 |
| 9 | Mainboard | MB.ARL06.001 | 23 | LCD Case | 60.ARL07.001 |
| 10 | Thermal Module | 60.ARL07.003 | 24 | Inverter Module | 19.TPK07.001 |
| 11 | VGA Module | VG.9MG06.001 | 25 | LCD Panel | 6M.ARL07.001 |
| 12 | Memory Door | 42.ARL07.001 | 26 | LCD Bracket R | 33.AR907.006 |
| 13 | 2nd HDD Module | KH.12004.007 | 27 | Camera Module | 57.ARE07.001 |
| 14 | 2nd HDD Door | 42.AR907.004 | | | |

Aspire 7230/7530/7530G FRU List

| Category | Description | Acer Part No. |
|---|---|---------------|
| Adapter | | |
| | ADAPTER 65W 3PIN DELTA SADP-65KB DFA | AP.06501.013 |
| | ADAPTER 65W LITEON PA-1650-02AC LF | AP.06503.016 |
| | ADAPTER 65W 3PIN HIPRO AC-OK065B13 | AP.0650A.010 |
| | ADAPTER DELTA 90W ADP-90SB BBEA LF | AP.09001.013 |
| | ADAPTER LITE-ON 90W 19V BLUE PA-1900-24AR LED LF | AP.09003.011 |
| Battery | | |
| 2111111 | Battery SONY AS-2007B Li-Ion 3S2P SONY 6 cell 4400mAh Main COMMON Normal Type | BT.00604.025 |
| | Battery PANASONIC AS-2007B Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON PSS | BT.00605.021 |
| | Battery SANYO AS-2007B Li-Ion 3S2P SANYO 6 cell 4400mAh Main COMMON Normal Type | BT.00603.042 |
| | Battery SIMPLO AS-2007B Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON PSS | BT.00607.016 |
| | Battery PANASONIC AS-2007B Li-Ion 4S2P PANASONIC 8 cell 4800mAh Main COMMON | BT.00805.011 |
| | Battery SANYO AS-2007B Li-Ion 4S2P SANYO 8 cell 4800mAh Main COMMON | BT.00803.024 |
| | Battery SIMPLO AS-2007B Li-Ion 4S2P PANASONIC 8 cell 4800mAh Main COMMON PSS | BT.00807.015 |
| Board | | |
| | MODEM BOARD T60M955.02 | 54.AGW07.001 |
| CEO | BLUETOOTH MODULE (T60H928.11) | BT.21100.005 |
| Suprairie 2 Street - Fair by a call or 2 market Aven 100 market Aven 100 or 2 market | WIRELESS LAN CARD FOXCONN T60h976.00 MINI | 54.AZL07.001 |
| | NEW CARD BOARD | 55.ARL07.001 |
| | POWER BOARD | 55.ARL07.002 |

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| Category | Description | Acer Part No. |
|------------------------------|--|---------------|
| O CONTRACTOR OF THE PARTY OF | SWITCH BOARD | 55.ARL07.003 |
| | TOUCHPAD BOARD | 55.ARL07.004 |
| | TOUCHPAD BOARD W/FP | 55.ARL07.005 |
| | EMPOWER BOARD | 55.ARL07.006 |
| J | MSI VGA Card nVidia NB9M-GS DDRII 256M 400MHz 32*16 MXM I w/ HDCP w/ Intersil PowerIC | VG.9MG06.001 |
| | MSI VGA Card nVidia NB9P-GS DDRIII 512M 800MHz 32*32 MXM II w/ HDCP w/ Intersil PowerIC | VG.9PG06.002 |
| Cable | | • |
| | PWR CORD V943B30001218008 DANISH 3P | 27.A03V7.006 |
| | PWR CORD(ISR)1.8M 3PBLK FZ0I0008-038 | 27.TATV7.005 |
| | PWR CORD V50CB3T3012180QD TW-110V,3P | 27.A99V7.002 |
| | POWER CORD(SWI)1.8M 3PBLACK FZ010008-011 | 27.A99V7.004 |
| | POWER CORD(IT) 1.8M 3PBLACK FZ010008-008 | 27.A99V7.005 |
| | POWER CORD(S.A) 1.8M 3BLACK FZ010008-006 | 27.T48V7.001 |
| | POWER CORD US 3PIN ROHS | 27.TAXV7.001 |
| | POWER CORD(EU) 1.8M 3PBLACK FM010008-010 | 27.TATV7.001 |
| | POWER CORD(UK) 1.8M 3PBLACK FP010008-013 | 27.TATV7.003 |
| Tu | BLUETOOTH CABLE | 50.TPK07.001 |
| re-de- | NEW CARD CABLE | 50.TPK07.002 |
| 82 82 | FFC CABLE - POWER/B TO MB | 50.AR907.001 |

| Category | Description | Acer Part No. | | |
|-----------------------------|---|---------------|--|--|
| Case/Cover/Bracket Assembly | | | | |
| | MIDDLE COVER | 42.AR907.001 | | |
| | UPPER CASE W/SPEAKER, FFC, CABLE, TP FOR NON-FP | 60.AS307.001 | | |
| | UPPER CASE W/SPEAKER, FFC, CABLE, TP FOR FP | 60.AR907.001 | | |
| | LOWER CASE ASSY W/SUB-WOOF,RJ11 W/O TV | 60.AR907.002 | | |
| | LOWER CASE ASSY W/SUB-WOOF,RJ11,TV OUT CABLE | 60.AS307.002 | | |
| | RAM COVER | 42.ARL07.001 | | |
| o. o. | HDD COVER -1 | 42.AR907.003 | | |
| | HDD COVER - 2ND | 42.AR907.004 | | |
| | DDR BRACKET | 33.AR907.001 | | |
| | TP BRACKET | 33.AR907.002 | | |
| • | ODD CAP | 42.AR907.007 | | |

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| Category | Description | Acer Part No. |
|--|---|---------------|
| CPU/Processor | | |
| - PROC 1070 | CPU AMD TurionX2 ZM80 PGA 2.1G 2M 638 35W Griffin B1 | KC.TZM02.800 |
| | CPU AMD TurionX2 ZM82 PGA 2.2G 2M 638 35W Griffin B1 | KC.TZM02.820 |
| Manager and American | CPU AMD SempronM SI40 PGA 2.0G 512K 638 25W Griffin B1 | KC.SSI02.400 |
| | CPU AMD TurionX2 ZM84 PGA 2.3G 2M 638 35W Griffin B1 | KC.TZM02.840 |
| | CPU AMD Athlon64X2 QL60 PGA 1.9G 1M 638 35W Griffin B1 | KC.AQL02.600 |
| | CPU AMD TurionX2 RM70 PGA 2.0G 1M 638 35W Griffin B1 | KC.TRM02.700 |
| Super Multi Drive | | |
| | DVD/RW SUPER MULTI MODULE | 6M.AR907.002 |
| Therefore the control of the control | TOSHIBA Super-Multi DRIVE Tray DL 8X TS-L633A LF W/O bezel SATA | KU.00801.021 |
| Composition of the second | ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GSA- T50N LF W/O bezel SATA FW:RP05 | KU.0080D.029 |
| | ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A2S LF W/O bezel SATA | KU.0080F.001 |
| | OPTICAL BRACKET | 33.AR907.003 |
| | ODD BEZEL - SUPER MULTI | 42.AGW07.004 |
| Combo Drive | | |
| | BLUE RAY COMBO MODULE | 6M.AR907.003 |
| The state of the s | BLUE RAY COMBO TRAY 2X SONY BC-5500S-AR | KO.0020E.002 |
| | OPTICAL BRACKET | 33.AR907.003 |
| | BD COMBO BEZEL | 42.AR907.006 |

| Category | Description | Acer Part No. |
|---------------|---|---------------|
| HDD | | |
| | HDD TOSHIBA 5400rpm 120GB MK1246GSX Leo BS SATA I LF F/W:LB213J | KH.12004.007 |
| | HDD WD 5400rpm 120GB WD1200BEVS-22UST0 ML125 SATA LF F/W:01.01A01 | KH.12008.019 |
| | HDD(160G) ST9160827AS 9DG133-188 STN B/S SEAGATE F/W:3.AAA | KH.16001.029 |
| o. | HDD TOSHIBA 5400rpm 160GB MK1646GSX Leo BS SATA I LF F/W:LB113J | KH.16004.002 |
| | HDD HGST 2.5" 5400rpm 160GB HTS542516K9SA00 Bronco-B SATA II LF F/W:C31P | KH.16007.016 |
| | HDD WD 2.5" 5400rpm 160GB WD1600BEVT-22ZCTO ML160 SATA LF F/W:11.01A11 | KH.16008.022 |
| | HDD SEAGATE 2.5" 5400rpm 250GB ST9250827AS Corsair SATA LF F/W:3.AAA | KH.25001.011 |
| | HDD TOSHIBA 2.5" 5400rpm 250GB MK2546GSX Leo BS SATA I LF F/W:LB013J | KH.25004.001 |
| | HDD WD 2.5 IN. 5400rpm 250GB WD2500BEVS-22UST0 ML125 SATA LF F/W:01.01A01 | KH.25008.018 |
| | HDD 250GB 5400RPM SATA II HGST HTS542525K9SA00 LF F/W:C31P | KH.25007.011 |
| | HDD HGST 5400rpm 120GB HTS542512K9SA00 Bronco- B SATA II LF F/W:C31P | KH.12007.014 |
| 00 | HDD MASTER BRACKET | 33.AR907.005 |
| IBURGES | HDD BRACKET ASSY | 33.AR907.004 |
| unic Arimonia | HDD CONNECTOR | 20.AR907.001 |

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| Category | Description | Acer Part No. |
|----------|---|---------------|
| Keyboard | | |
| | Keyboard 17KB-FV3 Black Mammoth 105KS Black US International Hebrew | KB.INT00.478 |
| | Keyboard 17KB-FV3 Black Mammoth 105KS Black US International | KB.INT00.478 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black UK | KB.INT00.480 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Turkish | KB.INT00.481 |
| | Keyboard 17KB-FV3 Black Mammoth 105KS Black Thailand | KB.INT00.482 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Swiss/ | KB.INT00.483 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Swedish | KB.INT00.484 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Spanish | KB.INT00.485 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Slovak | KB.INT00.486 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black SLO/CRO | KB.INT00.487 |
| | Keyboard 17KB-FV3 Black Mammoth 105KS Black Russian | KB.INT00.488 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Portuguese | KB.INT00.489 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Polish | KB.INT00.490 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Norwegian | KB.INT00.491 |
| | Keyboard 17KB-FV3 Black Mammoth 105KS Black Korean | KB.INT00.493 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Italian | KB.INT00.494 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Hungarian | KB.INT00.497 |
| | Keyboard 17KB-FV3 Black Mammoth 105KS Black Greek | KB.INT00.498 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black German | KB.INT00.499 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black French | KB.INT00.500 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Danish | KB.INT00.503 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Czech | KB.INT00.504 |
| | Keyboard 17KB-FV3 Black Mammoth 105KS Black Traditional Chinese | KB.INT00.505 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Canadian French | KB.INT00.506 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Brazilian Portuguese | KB.INT00.507 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Belgium | KB.INT00.508 |
| | Keyboard 17KB-FV3 Black Mammoth 105KS Black Arabic/ English | KB.INT00.509 |
| | Keyboard 17KB-FV3 Black Mammoth 106KS Black Nordic | KB.INT00.511 |

| Category | Description | Acer Part No. |
|--|---|---------------|
| LCD | | |
| The state of the s | LCD MODULE 17.1 IN WXGAG IMR HOLO 3D CCD W/ ANTENNA | 6M.ARL07.001 |
| | LCD AUO 17.1" WXGA+ Glare B170PW06 V2 LF 220nit 8ms | LK.17105.009 |
| | LCD SAMSUNG 17.1" WXGA+ Glare LTN170BT07-G01 LF 220nit 8ms 500:1 | LK.17106.004 |
| | INVERTER BOARD | 19.TPK07.001 |
| | LCD CABLE FOR CCD | 50.AR907.002 |
| | LCD COVER IMR HOLO 3D W/CCD CABLE MIC ANTENNA | 60.ARL07.001 |
| AST | LCD BEZEL PAINTING FOR CCD | 60.AR907.005 |
| - | LCD BRACKET W/HINGE - R | 33.AR907.006 |
| | LCD BRACKET W/HINGE - L | 33.AR907.007 |
| | CCD MODULE 0.3M | 57.ARE07.001 |
| A PRINCIPAL OF | LCD MODULE 17.1 IN WXGAG IMR HOLO 3D CCD W/O ANTENNA | 6M.ARL07.002 |
| | LCD AUO 17.1" WXGA+ Glare B170PW06 V2 LF 220nit 8ms | LK.17105.009 |
| | LCD SAMSUNG 17.1" WXGA+ Glare LTN170BT07-G01 LF 220nit 8ms 500:1 | LK.17106.004 |
| | INVERTER BOARD | 19.TPK07.001 |
| | LCD CABLE FOR CCD | 50.AR907.002 |
| | LCD COVER IMR HOLO 3D W/CCD CABLE MIC W/O ANTENNA | 60.ARL07.002 |

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| Category | Description | Acer Part No. |
|--------------------|--|---------------|
| Art | LCD BEZEL PAINTING FOR CCD | 60.AR907.005 |
| | LCD BRACKET W/HINGE - R | 33.AR907.006 |
| - 1 | LCD BRACKET W/HINGE - L | 33.AR907.007 |
| | CCD MODULE 0.3M | 57.ARE07.001 |
| MainBoard | | |
| | MAINBOARD UMA MCH77MH/GIGALAN W/CARD READER W/O CPU RAM | MB.ARL06.001 |
| | MAINBOARD DIS MCP77MH/GIGALAN W/CARD READER W/O CPU RAM | MB.ARH06.001 |
| Memory | | |
| THE REAL PROPERTY. | SO-DIMM DDRII 667 NANYA 1GB NT1GT64U8HB0BN- 3C (0.09U) | KN.1GB03.014 |
| | Memory HYNIX SO-DIMM DDRII 667 1GB HYMP112S64CP6-Y5 LF | KN.1GB0G.012 |
| | SO-DIMM DDRII667 512MB NT512T64UH8B0FN-37C (0.09U)\'NANYA | KN.51203.032 |
| | Memory MICRON SO-DIMM DDRII 667 2GB MT16HTF25664HY-667E1 LF | KN.2GB04.001 |
| | Memory SAMSUNG SO-DIMM DDRII 667 2GB M470T5663QZ3-CE6 LF | KN.2GB0B.003 |
| | SODIMM 1GB DDRII667 INFINEON HYS64T128021EDL- 3S LF | KN.1GB02.036 |
| | Memory HYNIX SO-DIMM DDRII 667 512MB HYMP164S64CP6-Y5 LF | KN.5120G.024 |
| | MEMORY HYNIX SO-DIMM DDRII 667 2GB HYMP125S64CP8-Y5 LF | KN.2GB0G.004 |
| | Memory SAMSUNG SO-DIMM DDRII 667 1GB M470T2864QZ3-CE6 LF | KN.1GB0B.016 |
| Heatsink | | 1 |
| | THERMAL MODULE - UMA | 60.ARL07.003 |
| | THERMAL MODULE - MXM | 60.ARL07.004 |
| Miscellaneous | | • |
| | NAME PLATE AS7230 | 47.ARL07.001 |

| Category | Description | Acer Part No. |
|----------|----------------------|---------------|
| | NAME PLATE AS7530 | 47.ARL07.002 |
| | LCD GLOSS RUBBER PAD | 47.AR907.002 |
| | RUBBER FOOT | 47.AR907.003 |
| | RUBBER FOOT LOW | 47.AR907.004 |
| Speaker | | |
| | SPEAKER | 23.AR907.001 |

Screw List

| Category | Description | Part No. |
|----------|-------------|--------------|
| SCREW | M2.5*6.5 | 86.ARE07.001 |
| SCREW | M2*3 | 86.ARE07.002 |
| SCWER | M2.5*3 | 86.T25V7.012 |
| SCREW | M3*0.5+3.5 | 86.A03V7.011 |
| SCERW | M2*2.5 | 86.A03V7.007 |

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Model Definition and Configuration

Aspire 7230/7530/7530G Series

| Model | RO | Country | Acer Part No | Description | CPU | BT |
|----------------------|------|--------------------|--------------|--|---------|--------|
| AS7530G- 822G16Mi | WW | WW | S2.ARH0X.001 | AS7530G-822G16Mi VHP32AWW1 MC 9MGSHM256CO 2*1G/160/BT/6L/ 5R/CB_bg_0.3D_HG_EN11 | ATUZM82 | BT 2.0 |
| AS7530G- 704G32Mi | EMEA | Germany | LX.ARH0X.037 | AS7530G-704G32Mi VHP32ATDE1 MC 9MGSHM256CO 2*2G/320/6L/5R/ CB_bg_0.3D_HG_DE13 | ATRM70 | N |
| AS7530G- 704G32Mi | EMEA | Switzerland | LX.ARH0X.038 | AS7530G-704G32Mi VHP32ATCH1 MC 9MGSHM256CO 2*2G/320/6L/5R/ CB_bg_0.3D_HG_IT42 | ATRM70 | N |
| AS7530G- 704G32Bi | EMEA | Germany | LX.ARH0X.042 | AS7530G-704G32BiVHP32ATDE1 MC 9MGSHM256CO 2*2G/320/6L/ 5R/CB_bg_0.3D_HG_DE13 | ATRM70 | N |
| AS7530G- 704G32Mi | EMEA | Belgium | LX.ARH0X.040 | AS7530G-704G32Mi VHP32ATBE1 MC 9MGSHM256CO 2*2G/320/6L/5R/ CB_bg_0.3D_HG_NL13 | ATRM70 | N |
| AS7530G- 604G50Mi | EMEA | Denmark | LX.ARH0X.043 | AS7530G-604G50Mi VHP32ATDK1 MC 9MGSHM256CO 2*2G/250+250/ 6L/5R/CB_bg_0.3D_HG_NO13 | AAQL60 | N |
| AS7530G- 704G32Mi | EMEA | Luxembourg | LX.ARH0X.039 | AS7530G-704G32MiVHP32ATLU1 MC 9MGSHM256CO 2*2G/320/6L/ 5R/CB_bg_0.3D_HG_IT42 | ATRM70 | N |
| AS7530G- 704G32Mi | EMEA | Sweden/ Finland | LX.ARH0X.044 | AS7530G-704G32Mi VHP32ATSE1 MC 9MGSHM256CO 2*2G/320/6L/5R/ CB_bg_0.3D_HG_Fl12 | ATRM70 | N |
| AS7530G- 704G32Mi | EMEA | Holland | LX.ARH0X.041 | AS7530G-704G32MiVHP32ATNL1 MC 9MGSHM256CO 2*2G/320/6L/ 5R/CB_bg_0.3D_HG_NL12 | ATRM70 | N |
| AS7530G- 804G32Mi | EMEA | Sweden/ Finland | LX.ARH0X.046 | AS7530G-804G32Mi VHP32ATSE1 MC 9MGSHM256CO 2*2G/320/6L/5R/ CB_bg_0.3D_HG_FI12 | ATUZM80 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.055 | AS7530G-703G32Mi EM VHP32ATME4 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_EN11 | ATRM70 | N |
| AS7530G- 603G32Mi | EMEA | Spain | LX.ARH0X.047 | AS7530G-603G32Mi VHP32ATES1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_ES22 | AAQL60 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.060 | AS7530G-703G32Mi EM VHP32ATME3 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_FR23 | ATRM70 | N |

| Model | RO | Country | Acer Part No | Description | CPU | BT |
|----------------------|------|-------------------|--------------|--|--------|----|
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.061 | AS7530G-703G32Mi EM VHP32ATME2 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_EN15 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.058 | AS7530G-703G32Mi EM VHP32ATME2 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_AR23 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | UK | LX.ARH0X.048 | AS7530G-703G32Mi VHP32ATGB1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_EN14 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Switzerland | LX.ARH0X.050 | AS7530G-703G32Mi VHP32ATCH1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_IT42 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.059 | AS7530G-703G32Mi EM VHP32ATME6 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_EN15 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Turkey | LX.ARH0X.069 | AS7530G-703G32Mi EM VHP32ATTR1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_TR32 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.064 | AS7530G-703G32Mi EM VHP32ATME2 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_AR13 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Spain | LX.ARH0X.078 | AS7530G-703G32Mi VHP32ATES1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_ES22 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Italy | LX.ARH0X.070 | AS7530G-703G32Mi VHP32ATIT1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_IT12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Israel | LX.ARH0X.072 | AS7530G-703G32Mi VHP32ATIL1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_HE11 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Greece | LX.ARH0X.074 | AS7530G-703G32Mi VHP32ATGR1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_EL22 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Greece | LX.ARH0X.075 | AS7530G-703G32Mi VHP32ATGR1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_EL32 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.066 | AS7530G-703G32Mi EM VHP32ATME9 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_FR22 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Portugal | LX.ARH0X.081 | AS7530G-703G32MiVHP32ATPT1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_PT12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Eastern Europe | LX.ARH0X.088 | AS7530G-703G32Mi VHP32ATEU1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_CS21 | ATRM70 | N |

| Model | RO | Country | Acer Part No | Description | CPU | ВТ |
|----------------------|------|----------------------|--------------|---|--------|----|
| AS7530G- 703G32Mi | EMEA | Eastern Europe | LX.ARH0X.090 | AS7530G-703G32Mi VHP32ATEU4 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_FI12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Eastern Europe | LX.ARH0X.087 | AS7530G-703G32Mi VHP32ATEU3 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_RU21 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Eastern Europe | LX.ARH0X.086 | AS7530G-703G32Mi VHP32ATEU5 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_PL11 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Hungary | LX.ARH0X.084 | AS7530G-703G32Mi VHP32ATHU1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_HU11 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Eastern Europe | LX.ARH0X.093 | AS7530G-703G32Mi VHP32ATEU3 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_RU11 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Russia | LX.ARH0X.098 | AS7530G-703G32Mi VHP32ATRU1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_RU11 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Eastern Europe | LX.ARH0X.092 | AS7530G-703G32Mi VHP32ATEU6 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_CS21 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Czech | LX.ARH0X.100 | AS7530G-703G32Mi VHP32ATCZ2 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_SK11 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Sweden/ Finland | LX.ARH0X.099 | AS7530G-703G32Mi VHP32ATSE1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_FI12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Slovenia/ Croatia | LX.ARH0X.083 | AS7530G-703G32Mi VHP32ATSI1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_EN12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Luxembourg | LX.ARH0X.120 | AS7530G-703G32MiVHP32ATLU1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_IT42 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Holland | LX.ARH0X.119 | AS7530G-703G32MiVHP32ATNL1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_NL12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Belgium | LX.ARH0X.118 | AS7530G-703G32Mi VHP32ATBE1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_NL13 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Germany | LX.ARH0X.105 | AS7530G-703G32Mi VHP32ATDE1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_DE13 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | France | LX.ARH0X.109 | AS7530G-703G32Mi VHP32ATFR1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_FR23 | ATRM70 | N |

| Model | RO | Country | Acer Part No | Description | CPU | ВТ |
|----------------------|------|----------------------|--------------|--|--------|----|
| AS7530G- 703G32Mi | EMEA | South Africa | LX.ARH0X.112 | AS7530G-703G32Mi EM VHP32ATZA2 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_EN16 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | South Africa | LX.ARH0X.113 | AS7530G-703G32Mi EM VHP32ATZA1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_FR23 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Denmark | LX.ARH0X.110 | AS7530G-703G32Mi VHP32ATDK1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_NO13 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Norway | LX.ARH0X.103 | AS7530G-703G32Mi VHP32ATNO1 MC 9MGSHM256CO 2G+1G/320/6L/ 5R/CB_bg_0.3D_HG_NO12 | ATRM70 | N |
| AS7530G- 702G25Mi | EMEA | Russia | LX.ARH0X.121 | AS7530G-702G25Mi VHP32ATRU1 MC 9MGSHM256CO 1*2G/250/6L/5R/ CB_bg_0.3D_HG_RU11 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | South Africa | LX.ARH0X.111 | AS7530G-703G32Mi EM VHP32AZA2 MC 9MGSHM256CO 2G+1G/320/6L/5R/ CB_bg_0.3D_HG_EN16 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Sweden/ Finland | LX.ARH0X.096 | AS7530G-703G32Mi VHP32ASE1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_FI12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Czech | LX.ARH0X.095 | AS7530G-703G32Mi VHP32ACZ2 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_SK11 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Eastern Europe | LX.ARH0X.094 | AS7530G-703G32Mi VHP32AEU6 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_CS21 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Eastern Europe | LX.ARH0X.101 | AS7530G-703G32Mi VHP32AEU1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_CS21 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Eastern Europe | LX.ARH0X.102 | AS7530G-703G32Mi VHP32AEU4 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_FI12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Eastern Europe | LX.ARH0X.089 | AS7530G-703G32Mi VHP32AEU3 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_RU21 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Eastern Europe | LX.ARH0X.091 | AS7530G-703G32Mi VHP32AEU5 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_PL11 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Hungary | LX.ARH0X.085 | AS7530G-703G32Mi VHP32AHU1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_HU11 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Slovenia/ Croatia | LX.ARH0X.080 | AS7530G-703G32Mi VHP32ASI1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_EN12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Portugal | LX.ARH0X.082 | AS7530G-703G32Mi VHP32APT1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_PT12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Denmark | LX.ARH0X.115 | AS7530G-703G32Mi VHP32ADK1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_NO13 | ATRM70 | N |

| Model | RO | Country | Acer Part No | Description | CPU | ВТ |
|----------------------|------|--------------|--------------|---|--------|----|
| AS7530G- 703G32Mi | EMEA | France | LX.ARH0X.116 | AS7530G-703G32Mi VHP32AFR1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_FR23 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Germany | LX.ARH0X.117 | AS7530G-703G32Mi VHP32ADE1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_DE13 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Belgium | LX.ARH0X.108 | AS7530G-703G32Mi VHP32ABE1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_NL13 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Holland | LX.ARH0X.107 | AS7530G-703G32Mi VHP32ANL1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_NL12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Luxembourg | LX.ARH0X.106 | AS7530G-703G32Mi VHP32ALU1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_IT42 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Norway | LX.ARH0X.104 | AS7530G-703G32Mi VHP32ANO1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_NO12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Russia | LX.ARH0X.097 | AS7530G-703G32Mi VHP32ARU1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_RU11 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | South Africa | LX.ARH0X.114 | AS7530G-703G32Mi EM VHP32AZA1 MC 9MGSHM256CO 2G+1G/320/6L/5R/ CB_bg_0.3D_HG_FR23 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.062 | AS7530G-703G32Mi EM VHP32AME2 MC 9MGSHM256CO 2G+1G/320/6L/5R/ CB_bg_0.3D_HG_EN15 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.063 | AS7530G-703G32Mi EM VHP32AME2 MC 9MGSHM256CO 2G+1G/320/6L/5R/ CB_bg_0.3D_HG_AR13 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Turkey | LX.ARH0X.067 | AS7530G-703G32Mi EM VHP32ATR1 MC 9MGSHM256CO 2G+1G/320/6L/5R/ CB_bg_0.3D_HG_TR31 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Turkey | LX.ARH0X.068 | AS7530G-703G32Mi EM VHP32ATR1 MC 9MGSHM256CO 2G+1G/320/6L/5R/ CB_bg_0.3D_HG_TR22 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.065 | AS7530G-703G32Mi EM VHP32AME4 MC 9MGSHM256CO 2G+1G/320/6L/5R/ CB_bg_0.3D_HG_EN11 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.056 | AS7530G-703G32Mi EM VHP32AME4 MC 9MGSHM256CO 2G+1G/320/6L/5R/ CB_bg_0.3D_HG_EN12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Spain | LX.ARH0X.079 | AS7530G-703G32Mi VHP32AES1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_ES22 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Greece | LX.ARH0X.077 | AS7530G-703G32Mi VHP32AGR1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_EL32 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Greece | LX.ARH0X.076 | AS7530G-703G32Mi VHP32AGR1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_EL22 | ATRM70 | N |

| Model | RO | Country | Acer Part No | Description | CPU | ВТ |
|----------------------|------|----------------------|--------------|--|--------|--------|
| AS7530G- 703G32Mi | EMEA | Israel | LX.ARH0X.073 | AS7530G-703G32Mi VHP32AlL1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_HE11 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Italy | LX.ARH0X.071 | AS7530G-703G32Mi VHP32AIT1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_IT12 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Switzerland | LX.ARH0X.051 | AS7530G-703G32Mi VHP32ACH1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_IT42 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | UK | LX.ARH0X.049 | AS7530G-703G32Mi VHP32AGB1 MC 9MGSHM256CO 2G+1G/320/ 6L/5R/CB_bg_0.3D_HG_EN14 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.054 | AS7530G-703G32Mi EM VHP32AME9 MC 9MGSHM256CO 2G+1G/320/6L/5R/ CB_bg_0.3D_HG_FR21 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.052 | AS7530G-703G32Mi EM VHP32AME2 MC 9MGSHM256CO 2G+1G/320/6L/5R/ CB_bg_0.3D_HG_AR23 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.053 | AS7530G-703G32Mi EM VHP32AME6 MC 9MGSHM256CO 2G+1G/320/6L/5R/ CB_bg_0.3D_HG_EN15 | ATRM70 | N |
| AS7530G- 703G32Mi | EMEA | Middle East | LX.ARH0X.057 | AS7530G-703G32Mi EM VHP32AME3 MC 9MGSHM256CO 2G+1G/320/6L/5R/ CB_bg_0.3D_HG_FR23 | ATRM70 | N |
| AS7530G- 703G25Mi | EMEA | Czech | LX.ARH0X.122 | AS7530G-703G25Mi VHP32ATCZ2 MC 9MGSHM256CO 2G+1G/250/BT/ 6L/5R/CB_bg_0.3D_HG_SK11 | ATRM70 | BT 2.0 |
| AS7530G- 604G16Bi | EMEA | Sweden/ Finland | LX.ARH0X.045 | AS7530G-604G16Bi VHP32ATSE1 MC 9MGSHM256CO 2*2G/160/6L/ 5R/CB_bg_0.3D_HG_FI12 | AAQL60 | N |
| AS7530G- 703G25Bi | EMEA | Eastern Europe | LX.ARH0X.013 | AS7530G-703G25Bi VHP32ATEU4 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_FI12 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Eastern Europe | LX.ARH0X.014 | AS7530G-703G25Bi VHP32ATEU3 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_RU21 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Eastern Europe | LX.ARH0X.015 | AS7530G-703G25Bi VHP32ATEU5 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_PL11 | ATRM70 | N |
| AS7530G- 703G32Bi | EMEA | Eastern Europe | LX.ARH0X.036 | AS7530G-703G32BiVHP32ATEU5 MC 9MGSHM256CO 2G+1G/320/ BT/8L/5R/CB_bg_0.3D_HG_PL11 | ATRM70 | BT 2.0 |
| AS7530G- 703G25Bi | EMEA | Hungary | LX.ARH0X.016 | AS7530G-703G25BiVHP32ATHU1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_HU11 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Slovenia/ Croatia | LX.ARH0X.019 | AS7530G-703G25Bi VHP32ATSI1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_EN12 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Portugal | LX.ARH0X.020 | AS7530G-703G25Bi VHP32ATPT1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_PT12 | ATRM70 | N |

| Model | RO | Country | Acer Part No | Description | CPU | ВТ |
|----------------------|------|--------------------|--------------|--|--------|--------|
| AS7530G- 703G25Bi | EMEA | Spain | LX.ARH0X.021 | AS7530G-703G25Bi VHP32ATES1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_ES22 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Greece | LX.ARH0X.022 | AS7530G-703G25Bi VHP32ATGR1 MC 9MGSHM256CO 2G+1G/250/6L/ 5R/CB_bg_0.3D_HG_EL32 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Greece | LX.ARH0X.023 | AS7530G-703G25Bi VHP32ATGR1 MC 9MGSHM256CO 2G+1G/250/6L/ 5R/CB_bg_0.3D_HG_EL22 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Israel | LX.ARH0X.024 | AS7530G-703G25Bi VHP32ATIL1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_HE11 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Italy | LX.ARH0X.025 | AS7530G-703G25Bi VHP32ATIT1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_IT12 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Switzerland | LX.ARH0X.033 | AS7530G-703G25BiVHP32ATCH1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_IT42 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | UK | LX.ARH0X.034 | AS7530G-703G25BiVHP32ATGB1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_EN14 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | France | LX.ARH0X.004 | AS7530G-703G25Bi VHP32ATFR1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_FR23 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Germany | LX.ARH0X.005 | AS7530G-703G25Bi VHP32ATDE1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_DE13 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Belgium | LX.ARH0X.006 | AS7530G-703G25Bi VHP32ATBE1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_NL13 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Holland | LX.ARH0X.007 | AS7530G-703G25Bi VHP32ATNL1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_NL12 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Luxembourg | LX.ARH0X.008 | AS7530G-703G25Bi VHP32ATLU1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_IT42 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Norway | LX.ARH0X.017 | AS7530G-703G25Bi VHP32ATNO1 MC 9MGSHM256CO 2G+1G/250/6L/ 5R/CB_bg_0.3D_HG_NO12 | ATRM70 | N |
| AS7530G- 703G32Bi | EMEA | Norway | LX.ARH0X.035 | AS7530G-703G32Bi VHP32ATNO1 MC 9MGSHM256CO 2G+1G/320/BT/ 8L/5R/CB_bg_0.3D_HG_NO12 | ATRM70 | BT 2.0 |
| AS7530G- 703G25Bi | EMEA | Russia | LX.ARH0X.009 | AS7530G-703G25BiVHP32ATRU1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_RU11 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Sweden/ Finland | LX.ARH0X.010 | AS7530G-703G25Bi VHP32ATSE1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_FI12 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Eastern Europe | LX.ARH0X.018 | AS7530G-703G25Bi VHP32ATEU3 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_RU11 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Denmark | LX.ARH0X.003 | AS7530G-703G25BiVHP32ATDK1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_NO13 | ATRM70 | N |

| Model | RO | Country | Acer Part No | Description | CPU | ВТ |
|----------------------|------|-------------------|--------------|--|--------|----|
| AS7530G- 703G25Bi | EMEA | Middle East | LX.ARH0X.027 | AS7530G-703G25Bi EM VHP32ATME9 MC 9MGSHM256CO 2G+1G/250/6L/ 5R/CB_bg_0.3D_HG_FR22 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Middle East | LX.ARH0X.028 | AS7530G-703G25Bi EM VHP32ATME2 MC 9MGSHM256CO 2G+1G/250/6L/ 5R/CB_bg_0.3D_HG_AR23 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Middle East | LX.ARH0X.029 | AS7530G-703G25Bi EM VHP32ATME6 MC 9MGSHM256CO 2G+1G/250/6L/ 5R/CB_bg_0.3D_HG_EN15 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Middle East | LX.ARH0X.030 | AS7530G-703G25Bi EM VHP32ATME3 MC 9MGSHM256CO 2G+1G/250/6L/ 5R/CB_bg_0.3D_HG_FR23 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Middle East | LX.ARH0X.031 | AS7530G-703G25Bi EM VHP32ATME2 MC 9MGSHM256CO 2G+1G/250/6L/ 5R/CB_bg_0.3D_HG_EN15 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Middle East | LX.ARH0X.032 | AS7530G-703G25Bi EM VHP32ATME2 MC 9MGSHM256CO 2G+1G/250/6L/ 5R/CB_bg_0.3D_HG_AR13 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | South Africa | LX.ARH0X.001 | AS7530G-703G25Bi EM VHP32ATZA2 MC 9MGSHM256CO 2G+1G/250/6L/ 5R/CB_bg_0.3D_HG_EN16 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | South Africa | LX.ARH0X.002 | AS7530G-703G25Bi EM VHP32ATZA1 MC 9MGSHM256CO 2G+1G/250/6L/ 5R/CB_bg_0.3D_HG_FR23 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Turkey | LX.ARH0X.026 | AS7530G-703G25Bi EM VHP32ATTR1 MC 9MGSHM256CO 2G+1G/250/6L/ 5R/CB_bg_0.3D_HG_TR32 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Eastern Europe | LX.ARH0X.012 | AS7530G-703G25Bi VHP32ATEU6 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_CS21 | ATRM70 | N |
| AS7530G- 703G25Bi | EMEA | Czech | LX.ARH0X.011 | AS7530G-703G25Bi VHP32ATCZ2 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_SK11 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Norway | LX.ARH0X.123 | AS7530G-704G25Bi VHP32ATNO1 MC 9MGSHM256CO 2*2G/250/6L/5R/ CB_bg_0.3D_HG_NO12 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Middle East | LX.ARH0X.127 | AS7530G-704G25Bi EM VHP32ATME2 MC 9MGSHM256CO 2*2G/250/6L/5R/ CB_bg_0.3D_HG_AR23 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Middle East | LX.ARH0X.132 | AS7530G-704G25Bi EM VHP32ATME9 MC 9MGSHM256CO 2*2G/250/6L/5R/ CB_bg_0.3D_HG_FR22 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Middle East | LX.ARH0X.130 | AS7530G-704G25Bi EM VHP32ATME2 MC 9MGSHM256CO 2*2G/250/6L/5R/ CB_bg_0.3D_HG_EN15 | ATRM70 | N |

| Model | RO | Country | Acer Part No | Description | CPU | ВТ |
|----------------------|------|----------------------|--------------|---|--------|----|
| AS7530G- 704G25Bi | EMEA | Spain | LX.ARH0X.138 | AS7530G-704G25Bi VHP32ATES1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_ES22 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Portugal | LX.ARH0X.139 | AS7530G-704G25Bi VHP32ATPT1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_PT12 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Slovenia/ Croatia | LX.ARH0X.140 | AS7530G-704G25Bi VHP32ATSI1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_EN12 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Greece | LX.ARH0X.137 | AS7530G-704G25Bi VHP32ATGR1 MC 9MGSHM256CO 2*2G/250/6L/5R/ CB_bg_0.3D_HG_EL32 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Greece | LX.ARH0X.136 | AS7530G-704G25Bi VHP32ATGR1 MC 9MGSHM256CO 2*2G/250/6L/5R/ CB_bg_0.3D_HG_EL22 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Israel | LX.ARH0X.135 | AS7530G-704G25Bi VHP32ATIL1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_HE11 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Middle East | LX.ARH0X.126 | AS7530G-704G25Bi EM VHP32ATME4 MC 9MGSHM256CO 2*2G/250/6L/5R/ CB_bg_0.3D_HG_EN11 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Italy | LX.ARH0X.134 | AS7530G-704G25Bi VHP32ATIT1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_IT12 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Switzerland | LX.ARH0X.125 | AS7530G-704G25BiVHP32ATCH1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_IT42 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | UK | LX.ARH0X.124 | AS7530G-704G25BiVHP32ATGB1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_EN14 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Turkey | LX.ARH0X.133 | AS7530G-704G25Bi EM VHP32ATTR1 MC 9MGSHM256CO 2*2G/250/6L/5R/ CB_bg_0.3D_HG_TR32 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Middle East | LX.ARH0X.131 | AS7530G-704G25Bi EM VHP32ATME2 MC 9MGSHM256CO 2*2G/250/6L/5R/ CB_bg_0.3D_HG_AR13 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Eastern Europe | LX.ARH0X.143 | AS7530G-704G25BiVHP32ATEU3 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_RU21 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Eastern Europe | LX.ARH0X.142 | AS7530G-704G25Bi VHP32ATEU5 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_PL11 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Hungary | LX.ARH0X.141 | AS7530G-704G25BiVHP32ATHU1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_HU11 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Middle East | LX.ARH0X.129 | AS7530G-704G25Bi EM VHP32ATME3 MC 9MGSHM256CO 2*2G/250/6L/5R/ CB_bg_0.3D_HG_FR23 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Middle East | LX.ARH0X.128 | AS7530G-704G25Bi EM VHP32ATME6 MC 9MGSHM256CO 2*2G/250/6L/5R/ CB_bg_0.3D_HG_EN15 | ATRM70 | N |

| Model | RO | Country | Acer Part No | Description | CPU | ВТ |
|----------------------|------|--------------------|--------------|---|--------|----|
| AS7530G- 704G25Bi | EMEA | Eastern Europe | LX.ARH0X.146 | AS7530G-704G25Bi VHP32ATEU3 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_RU11 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Sweden/ Finland | LX.ARH0X.150 | AS7530G-704G25Bi VHP32ATSE1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_FI12 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Russia | LX.ARH0X.151 | AS7530G-704G25BiVHP32ATRU1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_RU11 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Luxembourg | LX.ARH0X.152 | AS7530G-704G25Bi VHP32ATLU1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_IT42 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Holland | LX.ARH0X.153 | AS7530G-704G25Bi VHP32ATNL1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_NL12 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Belgium | LX.ARH0X.154 | AS7530G-704G25Bi VHP32ATBE1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_NL13 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Eastern Europe | LX.ARH0X.148 | AS7530G-704G25Bi VHP32ATEU7 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_ENG1 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Eastern Europe | LX.ARH0X.145 | AS7530G-704G25Bi VHP32ATEU1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_CS21 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Eastern Europe | LX.ARH0X.144 | AS7530G-704G25Bi VHP32ATEU4 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_FI12 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Czech | LX.ARH0X.149 | AS7530G-704G25Bi VHP32ATCZ2 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_SK11 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Eastern Europe | LX.ARH0X.147 | AS7530G-704G25Bi VHP32ATEU6 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_CS21 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | South Africa | LX.ARH0X.158 | AS7530G-704G25Bi EM VHP32ATZA1 MC 9MGSHM256CO 2*2G/250/6L/5R/ CB_bg_0.3D_HG_FR23 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | France | LX.ARH0X.156 | AS7530G-704G25Bi VHP32ATFR1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_FR23 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | South Africa | LX.ARH0X.159 | AS7530G-704G25Bi EM VHP32ATZA2 MC 9MGSHM256CO 2*2G/250/6L/5R/ CB_bg_0.3D_HG_EN16 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Germany | LX.ARH0X.155 | AS7530G-704G25Bi VHP32ATDE1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_DE13 | ATRM70 | N |
| AS7530G- 704G25Bi | EMEA | Denmark | LX.ARH0X.157 | AS7530G-704G25Bi VHP32ATDK1 MC 9MGSHM256CO 2*2G/250/6L/ 5R/CB_bg_0.3D_HG_NO13 | ATRM70 | N |
| AS7530G- 703G25Mi | EMEA | Italy | LX.ARH0X.160 | AS7530G-703G25Mi VHP32ATIT1 MC 9MGSHM256CO 2G+1G/250/ 6L/5R/CB_bg_0.3D_HG_IT12 | ATRM70 | N |

| Model | LCD | Memory1 | Memory2 | HDD1 | HDD2 | ODD | WLAN |
|----------|-----------|----------|----------|--------|------|--------|-------------|
| AS7530G- | N17WXGA+G | SO1GBII6 | SO1GBII6 | N160GB | N | NSM8XS | 3rd WiFi BG |
| 822G16Mi | | | | 5.4KS | | | |

| Model | LCD | Memory1 | Memory2 | HDD1 | HDD2 | ODD | WLAN |
|----------------------|-----------|----------|----------|-----------------|-----------------|----------|-------------|
| AS7530G- 704G32Mi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 704G32Mi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 704G32Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N320GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G32Mi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 604G50Mi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N250GB 5.4KS | NSM8XS | 3rd WiFi BG |
| AS7530G- 704G32Mi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 704G32Mi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 704G32Mi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 804G32Mi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 603G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |

| Model | LCD | Memory1 | Memory2 | HDD1 | HDD2 | ODD | WLAN |
|----------------------|-----------|----------|----------|-----------------|------|--------|-------------|
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 702G25Mi | N17WXGA+G | SO2GBII6 | N | N250GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |

| Model | LCD | Memory1 | Memory2 | HDD1 | HDD2 | ODD | WLAN |
|----------------------|-----------|----------|----------|-----------------|------|--------|-------------|
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |

| Model | LCD | Memory1 | Memory2 | HDD1 | HDD2 | ODD | WLAN |
|----------------------|-----------|----------|----------|-----------------|------|----------|-------------|
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G32Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 703G25Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NSM8XS | 3rd WiFi BG |
| AS7530G- 604G16Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N160GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G32Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |

| Model | LCD | Memory1 | Memory2 | HDD1 | HDD2 | ODD | WLAN |
|----------------------|-----------|----------|----------|-----------------|------|----------|-------------|
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G32Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N320GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Bi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |

| Model | LCD | Memory1 | Memory2 | HDD1 | HDD2 | ODD | WLAN |
|----------------------|-----------|----------|----------|-----------------|------|----------|-------------|
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |

| Model | LCD | Memory1 | Memory2 | HDD1 | HDD2 | ODD | WLAN |
|----------------------|-----------|----------|----------|-----------------|------|----------|-------------|
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 704G25Bi | N17WXGA+G | SO2GBII6 | SO2GBII6 | N250GB 5.4KS | N | NBDCB2XS | 3rd WiFi BG |
| AS7530G- 703G25Mi | N17WXGA+G | SO2GBII6 | SO1GBII6 | N250GB 5.4KS | N | NSM8XS | 3rd WiFi BG |

Test Compatible Components

This computer's compatibility is tested and verified by Acer's internal testing department. All of its system functions are tested under Windows[®] XP Home, Windows[®] XP Pro environment.

Refer to the following lists for components, adapter cards, and peripherals which have passed these tests. Regarding configuration, combination and test procedures, please refer to the Aspire 7230/7530/7530G series Compatibility Test Report released by the Acer Mobile System Testing Department.

Microsoft® Windows® Vista Environment Test

| Vendor | Туре | Description |
|-------------------------------|-----------------|--|
| Adapter Test | • | |
| F0000183 DELTA CN | 90W | Adapter DELTA 90W 1.7x5.5x11 ADP-90SB BBEA LF level 4 |
| F0000183 DELTA CN | 90W-DE | Adapter DELTA 90W 1.7x5.5x11 ADP-90SB BBEN (for OBL Spec.) LV4 LF |
| 10001023 LITE-ON | 90W | Adapter LITE-ON 90W 19V 1.7x5.5x11 Blue PA-1900-24AR LED LF level 4 |
| 60002015 HIPRO | 90W | Adapter HIPRO 90W 19V 1.7x5.5x11 Blue HP-OL093B13P LED LF level 4 |
| Audio Codec T | Test . | |
| 9999995 ONE TIME VENDER | ALC888S | ALC888S |
| Battery Test | | |
| 60001921 SANYO | 6CELL2.2 | Battery SANYO AS-2007B Li-Ion 3S2P SANYO 6 cell 4400mAh Main COMMON Normal Type |
| 10001063 SONY | 6CELL2.2 | Battery SONY AS-2007B Li-Ion 3S2P SONY 6 cell 4400mAh Main COMMON Normal Type |
| 60001535 PANASONIC | 6CELL2.2 | Battery PANASONIC AS-2007B Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON PSS |
| 60002162 SIMPLO | 6CELL2.2 | Battery SIMPLO AS-2007B Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON PSS |
| 60001921 SANYO | 8CELL2.4 | Battery SANYO AS-2007B Li-lon 4S2P SANYO 8 cell 4800mAh Main COMMON |
| 60001535 PANASONIC | 8CELL2.4 | Battery PANASONIC AS-2007B Li-Ion 4S2P PANASONIC 8 cell 4800mAh Main COMMON |
| 60002162 SIMPLO | 8CELL2.4 | Battery SIMPLO AS-2007B Li-Ion 4S2P PANASONIC 8 cell 4800mAh Main COMMON PSS |
| Bluetooth Test | İ | |
| 9999995 ONE TIME VENDER | BT 2.0 | Foxconn Bluetooth FOX_BRM_2.0 F/W 300 |
| Camera Test | | |
| 9999995 ONE TIME VENDER | 0.3M DV | Suyin 0.3M DV Camellia_2 |
| 9999995 ONE TIME VENDER | 0.3M DV | Bison 0.3M DV Lotus_2 |
| Card Reader T | est | , |
| 9999995 ONE TIME VENDER | 5 in 1-Build in | 5 in 1-Build in MS, MS Pro, SD, SC, XD |
| Card Bus1 Tes | st | |
| 9999995 ONE TIME VENDER | RTS5158E-GR | Realtek RTS5158E-GR Card Reader: SD/MMC/MS/MS Duo/xD (USB 2.0) |

| Vendor | Туре | Description |
|-----------------------------|-------------|---|
| CPU Test | | |
| 22554573 AMD | AAQL60 | CPU AMD Athlon64X2 QL60 PGA 1.9G 1M 638 35W Griffin B1 |
| 22554573 AMD | ATRM70 | CPU AMD TurionX2 RM70 PGA 2.0G 1M 638 35W Griffin B1 |
| 22554573 AMD | ATUZM80 | CPU AMD TurionX2 ZM80 PGA 2.1G 2M 638 35W Griffin B1 |
| 22554573 AMD | ATUZM82 | CPU AMD TurionX2 ZM82 PGA 2.2G 2M 638 35W Griffin B1 |
| 22554573 AMD | ATUZM84 | CPU AMD TurionX2 ZM84 PGA 2.3G 2M 638 35W Griffin B1 |
| 22554573 AMD | ATUZM86 | CPU AMD TurionX2 ZM86 PGA 2.4G 2M 638 35W Griffin B1 |
| HDD Test | • | |
| 60002036 SEAGATE | N120GB5.4KS | HDD SEAGATE 2.5" 5400rpm 120GB ST9120817AS Corsair SATA LF F/W:3.AAA |
| 60001922 TOSHIBA DIGI | N120GB5.4KS | HDD TOSHIBA 2.5" 5400rpm 120GB MK1246GSX Leo BS SATA I LF F/W:LB213J |
| 60002005 HGST SG | N120GB5.4KS | HDD HGST 2.5" 5400rpm 120GB HTS542512K9SA00 Bronco-B SATA II LF F/W:C31P |
| 60001994 WD | N120GB5.4KS | HDD WD 2.5" 5400rpm 120GB WD1200BEVS-22UST0 ML125 SATA LF F/W:01.01A01 |
| 60002036 SEAGATE | N160GB5.4KS | HDD SEAGATE 2.5" 5400rpm 160GB ST9160827AS Corsair SATA LF F/W:3.AAA |
| 60002036 SEAGATE | N160GB5.4KS | HDD SEAGATE 2.5" 5400rpm 160GB ST9160310AS Crockett SATA LF F/W:0303 |
| 60001922 TOSHIBA DIGI | N160GB5.4KS | HDD TOSHIBA 2.5" 5400rpm 160GB MK1646GSX Leo BS SATA I LF F/W:LB113J |
| 60002005 HGST SG | N160GB5.4KS | HDD HGST 2.5" 5400rpm 160GB HTS542516K9SA00 Bronco-B SATA II LF F/W:C31P |
| 60002005 HGST SG | N160GB5.4KS | HDD HGST 2.5" 5400rpm 160GB HTS543216L9A300 Falcon-B SATA LF F/W:C40C |
| 60001994 WD | N160GB5.4KS | HDD WD 2.5" 5400rpm 160GB WD1600BEVT-22ZCTO ML160 SATA LF F/W:11.01A11 |
| 60002036 SEAGATE | N250GB5.4KS | HDD SEAGATE 2.5" 5400rpm 250GB ST9250827AS Corsair SATA LF F/W:3.AAA |
| 60001922 TOSHIBA DIGI | N250GB5.4KS | HDD TOSHIBA 2.5" 5400rpm 250GB MK2546GSX Leo BS SATA I LF F/W:LB013J |
| 60002005 HGST SG | N250GB5.4KS | HDD HGST 2.5" 5400rpm 250GB HTS542525K9SA00 Bronco-B SATA II LF F/W:C31P |
| 60002005 HGST SG | N250GB5.4KS | HDD HGST 2.5" 5400rpm 250GB HTS543225L9A300 Falcon-B SATA LF F/W:C40C |
| 60001994 WD | N250GB5.4KS | HDD WD 2.5" 5400rpm 250GB WD2500BEVS-22UST0 ML125 SATA LF F/W:01.01A01 |
| 60002005 HGST SG | N320GB5.4KS | HDD HGST 2.5" 5400rpm 320GB HTS543232L9A300 Falcon-B SATA LF F/W:C40C |

| Vendor | Туре | Description |
|-----------------------------|----------------|---|
| 60001994 WD | N320GB5.4KS | HDD WD 2.5" 5400rpm 320GB WD3200BEVT-22ZCT0 ML160 SATA LF F/W:11.01A11 |
| 60002005 HGST SG | N500GB5.4KSH | HDD HGST 2.5" 5400rpm 500GB HTS545050KTA300 Bronco K SATA LF F/W:C60G |
| HDD2 Test | | |
| 60002036 SEAGATE | N120GB5.4KS | HDD SEAGATE 2.5" 5400rpm 120GB ST9120817AS Corsair SATA LF F/W:3.AAA |
| 60001922 TOSHIBA DIGI | N120GB5.4KS | HDD TOSHIBA 2.5" 5400rpm 120GB MK1246GSX Leo BS SATA I LF F/W:LB213J |
| 60002005 HGST SG | N120GB5.4KS | HDD HGST 2.5" 5400rpm 120GB HTS542512K9SA00 Bronco-B SATA II LF F/W:C31P |
| 60001994 WD | N120GB5.4KS | HDD WD 2.5" 5400rpm 120GB WD1200BEVS-22UST0 ML125 SATA LF F/W:01.01A01 |
| 60002036 SEAGATE | N160GB5.4KS | HDD SEAGATE 2.5" 5400rpm 160GB ST9160827AS Corsair SATA LF F/W:3.AAA |
| 60001922 TOSHIBA DIGI | N160GB5.4KS | HDD TOSHIBA 2.5" 5400rpm 160GB MK1646GSX Leo BS SATA I LF F/W:LB113J |
| 60002005 HGST SG | N160GB5.4KS | HDD HGST 2.5" 5400rpm 160GB HTS542516K9SA00 Bronco-B SATA II LF F/W:C31P |
| 60001994 WD | N160GB5.4KS | HDD WD 2.5" 5400rpm 160GB WD1600BEVT-22ZCTO ML160 SATA LF F/W:11.01A11 |
| 60002036 SEAGATE | N250GB5.4KS | HDD SEAGATE 2.5" 5400rpm 250GB ST9250827AS Corsair SATA LF F/W:3.AAA |
| 60001922 TOSHIBA DIGI | N250GB5.4KS | HDD TOSHIBA 2.5" 5400rpm 250GB MK2546GSX Leo BS SATA I LF F/W:LB013J |
| 60002005 HGST SG | N250GB5.4KS | HDD HGST 2.5" 5400rpm 250GB HTS542525K9SA00 Bronco-B SATA II LF F/W:C31P |
| 60001994 WD | N250GB5.4KS | HDD WD 2.5" 5400rpm 250GB WD2500BEVS-22UST0 ML125 SATA LF F/W:01.01A01 |
| 60002005 HGST SG | N320GB5.4KS | HDD HGST 2.5" 5400rpm 320GB HTS543232L9A300 Falcon-B SATA LF F/W:C40C |
| 60001994 WD | N320GB5.4KS | HDD WD 2.5" 5400rpm 320GB WD3200BEVT-22ZCT0 ML160 SATA LF F/W:11.01A11 |
| Keyboard Test | | |
| 820123 DARFON | 17KB-FV3 Black | Keyboard 17KB-FV3 Black Mammoth Standard (Aspire Black) |
| LAN Test | | |
| 610112 BROADCOM | BCM5764 | Broadcom BCM5764 |
| LCD Test | | |
| 60003316 AUO | N17WXGA+G | LCD AUO 17.1" WXGA+ Glare B170PW06 V2 LF 220nit 8ms |
| 60002215 SAMSUNG | N17WXGA+G | LCD SAMSUNG 17.1" WXGA+ Glare LTN170BT07-G01 LF 220nit 8ms 500:1 |
| 60003089 LG | N17WXGA+G | LCD LPL 17.1" WXGA+ Glare LP171WP4-TLR1 LF 220nit 8ms |

| Vendor | Туре | Description |
|-----------------------------|------------------------------|--|
| Memory Test | | |
| 60001993 NANYA | SO1GBII6 | SO-DIMM DDRII 667 1GB NT1GT64U8HB0BN-3C (0.09U) |
| 60001993 NANYA | SO1GBII6 | Memory NANYA SO-DIMM DDRII 667 1GB NT1GT64UH8D0FN-3C LF 64*16 0.07um |
| 60002215 SAMSUNG | SO1GBII6 | Memory SAMSUNG SO-DIMM DDRII 667 1GB M470T2864QZ3-CE6 LF |
| 60002045 HYNIX | SO1GBII6 | Memory HYNIX SO-DIMM DDRII 667 1GB HYMP112S64CP6- Y5 LF |
| 60001993 NANYA | SO2GBII6 | Memory NANYA SO-DIMM DDRII 667 2GB NT2GT64U8HD0BN-3C LF 128*8 0.07um |
| 60002215 SAMSUNG | SO2GBII6 | Memory SAMSUNG SO-DIMM DDRII 667 2GB M470T5663QZ3-CE6 LF |
| 60002045 HYNIX | SO2GBII6 | Memory HYNIX SO-DIMM DDRII 667 2GB HYMP125S64CP8- Y5 LF |
| 60001993 NANYA | SO512MBII6 | Memory NANYA SO-DIMM DDRII 667 512MB NT512T64UH8B0FN-3C LF 32*16 0.09um |
| 60002215 SAMSUNG | SO512MBII6 | Memory SAMSUNG SO-DIMM DDRII 667 512MB M470T6464QZ3-CE6 LF |
| 60002045 HYNIX | SO512MBII6 | Memory HYNIX SO-DIMM DDRII 667 512MB HYMP164S64CP6-Y5 LF 64*16 0.065um |
| Modem Test | | |
| 23707801 FOXCONN TW | Fox+Con MC4Z 1.5_3.3V | Foxconn Conexant -Unizion 1.5_3.3v T60M955.02 |
| 23707801 FOXCONN TW | Fox+Con MC4Z 1.5_3.3V Aus | Foxconn Conexant -Unizion 1.5_3.3v AUS T60M955.0x |
| Northbridge C | hipset Test | |
| 60001915 NVIDIA | NVMCP77MH | NVIDIA MCP77MH w/ HDCP EEPROM |
| ODD Test | | |
| 10001063 SONY | NBDCB2XS | ODD SONY BD COMBO 12.7mm Tray DL 2X BC-5500S LF W/ O bezel SATA |
| 60001922 TOSHIBA DIGI | NSM8XS | ODD TOSHIBA Super-Multi DRIVE 12.7mm Tray DL 8X TS- L633A LF W/O bezel SATA |
| 60001939 PIONEER | NSM8XS | ODD PIONEER Super-Multi DRIVE 12.7mm Tray DL 8X DVR-TD08RS LF W/O bezel SATA |
| 23418669 HLDS | NSM8XS | ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GSA-T50N LF W/O bezel SATA |
| 23418669 HLDS | NSM8XS | ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GSA-T50N LF W/O bezel SATA Malaysia |
| 10001070 PHILIPS | NSM8XS | ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A2S LF W/O bezel SATA |
| Software Test | • | |
| 10000981 MISC | McAfee | Antivirus application McAfee |

| Vendor | Туре | Description | | | | |
|-------------------------------|----------------|--|--|--|--|--|
| VGA Test | | | | | | |
| 60001915 NVIDIA | 9MGSHM | NVIDIA 9MGSHM w/ HDCP | | | | |
| VoIP Test | Test | | | | | |
| 10000286 WISTRON | BT VoIP Xpress | Wistron Acer Xpress Card Phone Kit Rev 2.0 | | | | |
| VRAM Test | VRAM Test | | | | | |
| 9999995 ONE TIME VENDER | 256M-GD2 | 256M-GD2 | | | | |
| Wireless Antenna Test | | | | | | |
| 9999995 ONE TIME VENDER | PIFA | PIFA | | | | |
| WLAN Test | | | | | | |
| 23707801 FOXCONN TW | 3rd WiFi BG | Foxconn FOX_ATH_XB63 Foxconn Atheros XB63 minicard b/g | | | | |
| 9999995 ONE TIME VENDER | 3rd WiFi BG | QMI ATH_XB63 Atheros XB63 minicard b/g | | | | |
| 9999995 ONE TIME VENDER | 3rd WiFi BG | Foxconn Wireless LAN Broadcom 4312 minicard b/g | | | | |

Online Support Information

This section describes online technical support services available to help you repair your Acer Systems.

If you are a distributor, dealer, ASP or TPM, please refer your technical queries to your local Acer branch office. Acer Branch Offices and Regional Business Units may access our website. However some information sources will require a user i.d. and password. These can be obtained directly from Acer CSD Taiwan.

Acer's Website offers you convenient and valuable support resources whenever you need them.

In the Technical Information section you can download information on all of Acer's Notebook, Desktop and Server models including:

- · Service guides for all models
- User's manuals
- · Training materials
- · Bios updates
- Software utilities
- Spare parts lists
- TABs (Technical Announcement Bulletin)

For these purposes, we have included an Acrobat File to facilitate the problem-free downloading of our technical material.

Also contained on this website are:

- Detailed information on Acer's International Traveler's Warranty (ITW)
- Returned material authorization procedures
- An overview of all the support services we offer, accompanied by a list of telephone, fax and email
 contacts for all your technical queries.

We are always looking for ways to optimize and improve our services, so if you have any suggestions or comments, please do not hesitate to communicate these to us.

Appendix C 195

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